
Title Page



OS/2 & LAN Systems

Development Tools Guide

Personal Software Products - March 1994

ANSWER:ZIM for OS/2

Sterling Software, Applications Dev. Div.

9340 Owensmouth Avenue
Chatsworth, CA 91313

ANSWER:ZIM for OS/2

Retail Price: Call

Contact: Larry Lennon

Phone: (818) 716-1616

Fax: (818) 998-2171

Int'l Contact: Bernard Haddad

Int'l Phone: +33 1 4900 1300 (France)

Int'l Fax: +33 1 4774 5291

Available:

Sterling ZIM for OS/2 is an application development environment that enables organizations to prototype and develop applications quickly and easily.

Sterling ZIM for OS/2 allows applications developed in one environment to be executed in another, providing organizations with the flexibility of developing applications for their current environment today -- and for the computing platforms of tomorrow. Operating in an open-system environment, Sterling ZIM for OS/2 provides a single, uniform development environment for mainframes, minicomputers, workstations, LANs and PCs. As a powerful 4GL/RDBMS, Sterling ZIM for OS/2 enhances productivity throughout the entire systems-development life cycle including Data Dictionary management, application development, maintenance, report generation and ad hoc queries. Sterling ZIM Client/Server Release enables ZIM applications to access data in SQL databases such as DB2, Microsoft SQL Server, Oracle and IBM Database Manager.

ASK/VisionPro

The ASK Group

1080 Marina Village Parkway
Alameda, CA 94501-1041

ASK/VisionPro

Retail Price:

Contact:

Phone: (800) 4-INGRES, (510) 769-1400

Fax: (510) 748-2545

Int'l Contact: International Region

Int'l Phone: +44 71 416 7770

Int'l Fax:

Available:

ASK/VisionPro is an application generator that combines a visual interface, a powerful 4GL, testing facilities, and automatic code generation to build production-quality applications. While ASK/VisionPro is designed to meet the needs of the most demanding developer, even end-users can use it to build personal decision-support applications. ASK/VisionPro takes advantage of the lower-cost processing power and productivity benefits that the PC offers.

ASK/VisionPro applications become the client component of a client/server system in a fully distributed database environment. ASK/VisionPro applications can access data stored in an ASK(TM) database on a network server or minicomputer, or data stored in mainframe databases such as DB2, IMS, Rdb, RMS, ALLBASE/SQL and others through the use of ASK Open Connectivity Products.

By using ASK/VisionPro to develop applications on the PC, your organization can:

- .. significantly reduce development time for new applications
- .. quickly create flexible, powerful applications that are easy to maintain
- .. optimize PC, minicomputer, and mainframe resources through distributed processing
- .. share data transparently among PCs, minicomputers, and mainframes
- .. develop applications that are completely portable between all major client operating systems

ASK/VisionPro features include:

- .. mouse support

- “ pop-up, dynamic selection lists of valid values
- “ context-sensitive help facilities

BORLAND ObjectVision 2.0 for OS/2

Borland International

100 Borland Way
Scotts Valley, CA 95067

BORLAND ObjectVision 2.0 for OS/2

Retail Price: \$249.95

Contact: Customer Support

Phone: (408) 461-9144

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

ObjectVision 2.0. The easiest way to create OS/2 applications. With Visual Applications Creation for OS/2 2.0, anyone can: create custom-tailored applications, consistently apply businesses rules, and automate policies and procedures.

Design features include: Incremental development allows instant switching between modifying the application and using it -- no compiling required. Can easily emulate flowchart logic to speed the learning curve. Free runtime; distribute or sell applications with no additional cost. True object-oriented architecture. Supports multiple linked forms in each application. Intelligent prompting guides the user to necessary fields -- faster, more accurately. "What-if" analysis; minimal recalculation speeds up processing. Applications are self-documenting because interfaces and trees can be printed as viewed. Extensive on-line, context-sensitive system help. User can add context-sensitive, field-specific help. WYSIWYG printing of forms. Supports one-to-many master/detail relationships such as those found in sales orders and invoices; deletions and updates of the master record can automatically cascade throughout the detail records. Password protection prevents unauthorized modifications to applications. Numeric and date fields are automatically type-validated. Database links and queries include: Creates databases and multiple indexes in Paradox, dBASE and Btrieve formats (database software not required). Creates databases in Database Manager (DBM) for OS/2 formats with optional IBM Extended Services product. Direct read/write/update multiuser access to existing Paradox, dBASE, Btrieve, and DBM databases and ASCII files. Filters support Query-by-Form. User-defined Virtual fields. Flexible, user-definable database look-ups.

CA-CommonView

Computer Associates International, Inc.

One Computer Associates Plaza
Islandia, NY 11788-7000

CA-CommonView

Retail Price:

Contact: Dana Williams

Phone: (800) CALLCAI

Fax: (516) 342-5734

Int'l Contact: Jonathan Zakarin

Int'l Phone: (516) 342-5224

Int'l Fax:

Available:

CA-CommonView is the easy-to-use application framework for GUI development. It minimizes development time, and provides platform portability. CA-CommonView provides a solid foundation for your C++ development projects, and serves as a basis for the exploitation of object-oriented programming techniques.

CA-CommonView allows you to make the application the focus of your efforts, instead of the GUI. The CA-CommonView framework protects your efforts from the classic pitfalls of GUI programming: memory management, state changes, code volume, and hardwiring to a single GUI. CA-CommonView applications can be ported between Windows and OS/2 with a simple recompile and link.

CA-REALIZER(R) for OS/2

Computer Associates International, Inc.

One Computer Associates Plaza
Islandia, NY 11788-7000

CA-REALIZER(R) for OS/2

Retail Price: \$247

Contact: Dana Williams

Phone: (800) CALLCAI

Fax: (516) 342-5734

Int'l Contact: Jonathan Zakarin

Int'l Phone: (516) 342-5224

Int'l Fax:

Available: October

CA-REALIZER is a visual application development tool for developing graphical OS/2 and Windows applications. It is a superset of BASIC providing access to OS/2 objects and resources. CA-REALIZER's programmable development environment includes spreadsheet and charting objects as well. CA-REALIZER's point-and-click interface enables application developers to quickly and easily develop standalone OS/2 and Windows applications without PDKs.

ESW Program Re-Engineering

VIASOFT

3033 N. 44th Street
Phoenix, AZ 85018

ESW Program Re-Engineering

Retail Price: \$56,100-\$182,600

Contact: Ross Barrington, Dir. of Marketing

Phone: (800) 525-7775, (602) 952-0050

Fax: (602) 840-4068

Int'l Contact: Roger Philips

Int'l Phone:

Int'l Fax:

Available:

ESW Program Re-engineering automatically extracts functionality from existing COBOL systems and generates callable "program modules" of the code for easier maintainability of systems or for redevelopment of systems.

ESW Program Re-engineering is the only re-engineering product on the market today that "decomposes" COBOL programs into smaller, more manageable units. The product automatically isolates and extracts business functions and then generates independent callable programs of those functions. These program "modules" can then be maintained far easier as multiple discrete units, rather than having to deal with a single, monolithic program. These modules can also be used (or re-used) in new development scenarios such as client/server where the appropriate client/server implementation technology is in place. ESW Program Re-engineering catalogs knowledge of the target program and the extracted code segments in VIASOFT's Application Knowledge Repository (AKR), which is shared by all ESW tools. This means that programmers can easily switch to other ESW products during a re-engineering session: to edit a program or logic segment; to generate comprehensive documentation; or to test re-generated applications.

Gpf 2.1

Gpf Systems, Inc.

30 Falls Road
P.O. Box 414
Moodus, CT 06469-0414

Gpf 2.1

Retail Price: \$1295

Contact: Lynn T. Liska, Sales Administrator

Phone: (800) 831-0017, (203) 873-3300

Fax: (203) 873-3302

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: June 1, 1993

WYSIWYG GUI design environment, supporting OS/2.2.x and Windows. Point and click to design a CUA '91-compliant GUI. Gpf generates C or C++ source. No run time, no royalties.

Gpf is a WYSIWYG Graphical User Interface application development environment that takes full advantage of OS/2 2.x to create native client/server or stand-alone applications for OS/2(R) PM or DOS/Windows(TM). As a 3GL (C or C++) source-code generator, Gpf offers all the advantages of hand coding native GUI applications, combined with the ease of a "What You See Is What You Get" visual programming environment.

With Gpf, the designer simply paints the PM screens as they ought to appear and Gpf takes care of the rest, yet Gpf is much more than a simple screen painter or Dialogue Editor. With Gpf, as windows, dialogues, and PM controls are created, the design hierarchy is defined. Navigation code, custom logic and context-sensitive help are created and linked to objects as they are designed.

Guidelines

JBA International PLC

15/16 Clews Road, Oakenshaw Redditch
Worcestershire, United Kingdom B98 7ST

Guidelines

Retail Price: £ 6,500 per seat

Contact: Sales

Phone: (708) 590-0299

Fax: (708) 590-0394

Int'l Contact: Kate Scott

Int'l Phone: +44 527 550558

Int'l Fax: +44 527 402502

Available: 1 Sept. 1992

A powerful set of vendor-neutral development tools that conform to a variety of standards, is essential given that the future of application development lies with cross-system, multi-platform processing. Guidelines is just such a tool -- an integral part of JBA's open toolcase for the IBM AS/400. It creates event-driven graphical applications, smoothly and cost-effectively. This latest development from JBA provides the developer with the flexibility to create true client/server applications. Capable of using cross-platform databases and processing rules, it encourages the progression developer to create true multi-user, multi-lingual applications.

Using a new Very High Level Language JOT, that is as easy to read as BASIC -- but provides the functionality and performance of C -- Guidelines has the power and flexibility to put the accent of application development very much on design, thus creating full-function business applications that are very easy to learn, read and use. Guidelines takes full advantage of the 32-bit, pre-emptive tasking environment that is the key to IBM OS/2 -- the ideal platform for application development. It also has the power and versatility to design graphical applications that may be compiled for either Microsoft Windows or OS/2 -- simplifying support in a mixed-platform environment.

A test mode is incorporated in Guidelines, so that the developer can test application windows at an early stage to see how applications will behave, and if necessary, make changes -- before they are formally compiled. Not only does this save valuable time, it also substantially reduces the cost commonly associated with professional application development.

IBM SAA Consumer Transaction Definition/2

IBM Corporation

1133 Westchester Avenue
White Plains, NY 10604

IBM SAA Consumer Transaction Definition/2

Retail Price: \$9975/\$8400 Add'l License

Contact: Bob Mathieson, Planner

Phone: (800) 426-2255, (704) 594-7460

Fax: (704) 594-5440

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/93

The IBM Consumer Transaction/2 (CT/2) licensed programs, IBM SAA (TM) Consumer Transaction (CT) Definition/2 and IBM SAA Consumer Transaction Runtime/2, provide for development and execution of applications for distributed IBM Personal System/2 (R) (PS/2 (R)) workstation environments. CT/2 provides a set of robust finance functions to complement its strong application-enabling functions. As a result of its flexibility, CT/2 can be used in a variety of advanced-function workstation environments.

IBM SAA Consumer Transaction Runtime/2

IBM Corporation

1133 Westchester Avenue
White Plains, NY 10604

IBM SAA Consumer Transaction Runtime/2

Retail Price: \$919/\$735 Add'l License

Contact: Bob Mathieson, Planner

Phone: (800) 426-2255, (704) 594-7460

Fax: (704) 594-5440

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/93

This is a companion product to IBM SAA Consumer Transaction Definition/2. Please refer to the information for IBM SAA Consumer Transaction Definition/2.

IBM Personal Application System Builder/2 Version 3

IBM Software Solutions Division

1 E. Kirkwood Boulevard
Mail Code 40-D2-02
Roanoke, TX 76299

IBM Personal Application System Builder/2 Version 3

Retail Price: \$2500/single license

Contact: Personal AS Site Volumes Center

Phone: (800) IBM-CALL

Fax: (404) 238-1054

Int'l Contact: IBM Personal AS Site Volumes Center

Int'l Phone: +44 926 464845

Int'l Fax: +44 926 499256

Available: 10/15/93

IBM Personal AS/2 V3 (Personal AS/2 V3) is IBM's 32-bit OS/2 solution for business professionals working in an office environment who have requirements for data access, query, data analysis, presentation and communication of business results.

IBM Personal Application System Builder/2 Version 3 is an OS/2 2.1 32-bit development tool which provides prototyping and application creation features that can be used to adapt and extend the standard decision-support features provided by IBM Personal Application System/2 Version 3 to meet advanced customer requirements.

MOZART

Mozart Systems Corporation

1350 Bayshore Highway
Suite 630
Burlingame, CA 94010

MOZART

Retail Price: Call

Contact:

Phone: (415) 340-1588

Fax: (415) 340-1648

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Mozart Systems' Progressive Application Renovation is designed to enable companies to modernize host applications with a powerful graphical interface. With Progressive Application Renovation and its primary tool, MOZART, companies can achieve many of the key advantages of client/server computing immediately with their existing platform technology. Moreover, the Progressive Application Renovation approach leaves open all major options for future platforms and architectures. And significantly reduces ongoing maintenance costs. Using MOZART's advanced functionality, developers have modified applications in a fraction of the time required in different environments. MOZART is a true multi-platform tool; all applications developed with MOZART run transparently without modification under Windows, DOS, and OS/2. The system also includes SQL support for major relational database management systems, including Oracle, Microsoft SQL Server and OS/2 Database Manager.

OpenWin

Y.A.M. Computers (1982) Ltd.

P.O. Box 2031
Herzliya, Israel 46120

OpenWin

Retail Price: \$1,500-\$3,000

Contact: Rami Ater, Marketing Manager

Phone: +972 9 584826

Fax: +972 9 507317

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Jan. 1993

OpenWin: An Open GUI 4GL, Multiple Data Bases and Multiple platform front-end which applies a client/server paradigm that has unique, exclusive technological advantages that no other front end can offer.

OpenWin is a powerful GUI 4GL front end. The developer works within a GUI environment with all its advantages, such as working simultaneously in many windows, selecting options using radio buttons, choosing commands from lists, etc. An application developed with OpenWin is a fully GUI application. Its windows can be easily designed in many styles, applying to the end-user the GUI advantages. OpenWin's powerful 4GL enables rapid and reliable applications development. OpenWin exploits the OS/2 advantages and enables portability of applications across platforms by working on other operating systems and computers and simultaneously interfacing with a range of DBMS and RDBMS as well as SQL server products using local and global data dictionaries. By enabling both synchronized and un-synchronized access to mainframe data as well as third-generation languages and software packages, OpenWin makes effective cooperative processing and downsizing possible.

OpenWin applies a sophisticated client/server architecture and has unique, exclusive technological advantages that no other software can offer:

- “ OpenWin enables synchronous and asynchronous Cooperative Processing.

- “ OpenWin enables multi-tasking and multi-processing programming, including DBM and Oracle on a remote server (UNIX OS/2 Mainframe etc.). Of course it comes with its own database, which is

dBASE-compatible.

“ OpenWin can access mainframe DB2 via DDCS/2 and other data via CICS.

OpenWin is a joint development of Y.A.M. and IBM Israel, and is sold by IBM in Israel under a Vendor Logo marketing agreement.

PCYACC/2 5.0

Abraxas Software, Inc.

5530 S.W. Kelly
Portland, OR 97201

PCYACC/2 5.0

Retail Price: \$995

Contact: Tana rae Kuntz, Sales

Phone: (800) 347-5214, (503) 244-5253

Fax: (503) 244-8375

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Shipping

PCYACC/2 5.0 is a program generator capable of automatically generating ANSI C source code for building assemblers, compilers, browsers, interpreters, page-description languages, syntax-directed editors, language validators, natural-language processors, expert-system shells, and query languages.

PM/FOCUS 1.5

Information Builders, Inc.

1250 Broadway
New York, NY 10001-3872

PM/FOCUS 1.5

Retail Price: \$798

Contact: Marc Koppelman, Sales Manager

Phone: (800) 969-INFO

Fax: (212) 629-8819

Int'l Contact: Brian McLaughlin

Int'l Phone: (212) 736-4433

Int'l Fax:

Available: 10/93

PM/FOCUS is a complete graphical application development and decision support system for OS/2 2.0, with unparalleled report writing strengths and application flexibility.

CUA-compliant PM/FOCUS application components -- databases, forms, reports, and procedures -- are treated as graphical objects which can be moved, copied, clipped, pasted, embellished, and reused. PM/FOCUS uses a modeless graphical toolset to create applications that employ radio buttons, list boxes, check boxes, graphic objects, fonts, and more. The toolset consists of an Application Editor, a File Painter for creating data structures, a Forms Painter to generate the application interface, and a Query Painter to build and view report requests.

Built-in communications allow PM/FOCUS GUI applications to work directly with mainframe data. PM/FOCUS includes its own FOCUS database engine, and it also provides optional interfaces to let you create GUI applications for most popular SQL databases, including IBM's DB2/2 as well as other leading server engines. PM/FOCUS is fully compatible with the OS/2 FOCUS/Database Server, and is enabled to Information Builders' Enterprise Data Access (EDA)/SQL client/server communications facilities, for direct access to more than 45 file types on over 55 operating platforms.

Power Pen Pal 4.1

Pen Pal Associates, Inc.

4970 El Camino Real
Suite 200
Los Altos, CA 94022

Power Pen Pal 4.1

Retail Price: \$695

Contact: Sam Wiegand, President

Phone: (415) 903-3850

Fax: (415) 961-0995

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Power Pen Pal is a complete, integrated, high-level pen application development environment for designing and building vertical applications.

Power Pen Pal is an application development environment within which designers can create customized applications to run on pen-based computers under the DOS operating system.

Power Pen Pal was designed for use by people with a minimal background in programming. The designer uses a high-level language which is almost self-documenting. If you have a background in database, Lotus macros, or any programming language, you'll find Power Pen Pal delightful to learn, easy to use, and downright habit-forming. If you understand the "IF" statement concept, you'll be able to use the robust features in the product. Although Power Pen Pal was initially targeted at the non-professional programmer, professional programmers have embraced the Power Pen Pal Application Development Environment as well. They report being able to write, debug, and test applications in half the time it would have taken in C or some other language.

Power Pen Pal is a tightly integrated development environment. The developer is given a full compiler with many features not found in most development environments available today. As an example, the screen-design feature set can be designed for three sizes: 640 x 480, 640 x 400, and 640 x 200 pixels. Power Pen Pal also has a built-in database engine which provides the ability to read and write dBASE-compatible files with full index usage. And Power Pen Pal comes with a data communications engine providing XMODEM and YMODEM protocol for use

with dial-up and direct connect communications. Radio-frequency modem communications are currently working with a Novell network and the Proxim RF radio.

Prominare Analyst Designer Version 2.1

Prominare Inc.

100 Front Street East
Toronto, Ontario, Canada M5A 1E1

Prominare Analyst Designer Version 2.1

Retail Price: \$195.45

Contact: Gerald Labelle, VP Marketing

Phone: (416) 363-2292

Fax: (416) 363-8452

Int'l Contact: Andrew Pope

Int'l Phone: +44 285 655 888

Int'l Fax:

Available: September 1993

Analyst Designer is a graphical design tool for the non-programmer. Analyst Designer allows both the designer and the programmer to understand immediately how the application is to behave and be presented to the final end-user. The analyst or manager can also demonstrate the prototype before any application development has been performed, thereby saving costs on recoding operational aspects of the application. When the initial prototype design has been approved, the information can be given to a programming resource with no interpretation being required regarding the operational or the presentation aspects of the design. Also, when the programmer adds his or her own information, a true executable prototype can be created within a matter of minutes, thereby resulting in substantial cost savings. The Analyst Designer protects programmer-defined constants such as control IDs while allowing both the programmer and designer a common view of the end product. This allows the programmer and analyst to use a common file to work from while the project is under development.

Prominare Development System Version 2.1

Prominare Inc.

100 Front Street East
Toronto, Ontario, Canada M5A 1E1

Prominare Development System Version 2.1

Retail Price: \$795 US

Contact: Gerald Labelle, VP Marketing

Phone: (416) 363-2292

Fax: (416) 363-8452

Int'l Contact: Andrew Pope

Int'l Phone: +44 285 655 888

Int'l Fax:

Available: June 30, 1993

Prominare Development System is an advanced 32-bit GUI development environment.

The Prominare Development System/124 is a graphical programming workbench designed to allow users to easily create and maintain graphical user interfaces which utilize IBM's OS/2 Presentation Manager. Prominare Builder allows the programmer access to tools used to compile, edit and debug application programs on a point-and-shoot basis.

Prominare Editor is an editor that can be used to create and edit source files. When Prominare Builder detects an error during a build session, the programmer can request immediate editing of the problem source file and the source file displaying the error information, thereby allowing it to be easily corrected.

Prominare Designer allows the design of a program for OS/2 Presentation Manager complete with menus, accelerators, strings, dialogs, custom resources and help tables with the required resource-script and source-language files being created. It can quickly build a prototype and, as work progresses, changes can be made without damaging work already completed.

SQL Design

Consyst SQL Inc.

15 Mont-Royal Street Ouest
Suite 120
Montreal, Quebec, Canada H2T 2R9

SQL Design

Retail Price: \$700 - \$5,000

Contact: Pierre Fournier, President

Phone: (514) 849-7431

Fax: (514) 849-8125

Int'l Contact: Pierre Fournier, President

Int'l Phone:

Int'l Fax:

Available:

Consyst SQL Inc. is a full-service company specializing in the development of leading-edge programming tools.

SQL Design is an application generator built as a shell on most SQL databases. This fourth-generation tool uses a graphical user interface such as Windows or OS/2 to create powerful, user-friendly programs cost-effectively. An efficient productivity tool for the development and maintenance of applications, SQL Design enables programmers to generate high-quality systems more easily and in much less time than other development tools. The centralized repository concept is the same as for CASE tools. The repository where all data and application elements are stored is dynamically linked to the generated application to eliminate duplication of data and functions and provide a sharable information pool for large development projects. This means productivity increases, enforcement of standards, automatic documentation and update, plus substantial savings on development and maintenance phases.

Information such as labels, fields validations, input and output masks, graphical objects, messages, SQL statements, scripts, screens, reports, and version are stored and managed through this centralized repository. SQL Design provides a highly efficient development tool working with major relational databases due to its powerful Port-Design. This portability protects your investment in application programs.

WindowsMAKER(TM) Professional

Blue Sky Software Corp.

7486 La Jolla Boulevard
Suite 3
La Jolla, CA 92037

WindowsMAKER(TM) Professional

Retail Price: \$995

Contact: Sales

Phone: (619) 459-6365, (800) 677-4946

Fax: (619) 459-6366

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Second Quarter 1993

Now the industry-standard Visual Prototyper and C/C++ code generator for Windows and Windows NT is available for OS/2 PM. Applications may be migrated across platforms and languages. The fastest way to develop. WindowsMAKER(R) Professional is an object-oriented prototyping and development tool that enables users to design, test, and generate 32-bit graphical OS/2 and 16/32-bit Windows applications by simply pointing and clicking. From the tool palette, select and place on-screen your choice of menus, toolbars, icons, bitmaps, scroll bars, dialog boxes, radio buttons, child and sibling windows, keyboard and mouse-controllable windows, and other graphical objects that comprise a graphical interface. Generates code for context-sensitive help. Creates standard or MDI applications. Offers the most functionality, like one-click ability to add toolbars to your design. Award-winning Visual Prototyper and embedded dialog-box editor gives you the fastest prototyping available. Test the look-and-feel of your application and make changes on the fly. WindowsMAKER Professional uses Switch-It(TM) Code Generation Modules for generating 32-bit C code for OS/2, and ANSI C, MFC C++ or OWL C++ code for Windows. TrueCode(TM) Technology ensures that your user code is preserved during code regeneration and allows you to import existing source code. Generates the program executable with exact, expert-level, fully commented C or C++ source code and production files. CUA- and SAA-compliant. No royalties or runtime fees.

WinGEN Database Application Designer

Buzzwords International, Inc.

7636 County Road 621
Cape Girardeau, MO 63701

WinGEN Database Application Designer

Retail Price: \$100/Engine

Contact:

Phone: (314) 334-6317

Fax: (314) 334-0794

Int'l Contact: Mike Atkinson

Int'l Phone:

Int'l Fax:

Available:

WinGEN Database Application Designer converts ObjectVision .OVD links to source code for OS/2 2.1, Windows 3.1 versions of dBASE, C\C++, and Turbo Pascal. The object-oriented WYSIWYG source code generator/date-entry design tool also supports original designs for advanced interactive OS/2 database applications. Requires WinGEN Screen Designer.

WinGEN Database Application Designer enables easy conversion of ObjectVision prototypes to compiled code for quick development of 32-bit application designs. Connection to existing databases is accomplished for a range of DBMS Engines. Multiple database system types may be accessed. Supported engines include: Raima Database Manager, P.O.E.T., Faircom C-Tree Plus, Sequiter Codebase, and the Pioneer Software Q+E Database Library. Q+E Database Library supports access to Btrieve, DB2, dBASE, Excel files, INGRES, NetWare SQL, Oracle, OS/2 DBM, Paradox, SQLBase, SQLServer, Sybase, text files, and XDB through a collection of DLLs that provide a common API for database access.

WinGEN Screen Designer

Buzzwords International, Inc.

7636 County Road 621
Cape Girardeau, MO 63701

WinGEN Screen Designer

Retail Price: \$249

Contact:

Phone: (314) 334-6317

Fax: (314) 334-0794

Int'l Contact: Mike Atkinson

Int'l Phone:

Int'l Fax:

Available:

WinGEN Screen Designer converts ObjectVision .OVD files to source code for OS/2 2.1, Windows 3.1 versions of dBASE, C/C++, and Turbo Pascal. The object-oriented WYSIWYG source code generator/date-entry design tool also supports original designs for advanced interactive OS/2 database applications.

WinGEN Screen Designer enables easy conversion of ObjectVision prototypes to compiled code for quick development of 32-bit application designs. WinGEN enables the creation of portable source code for OS/2, Windows or UNIX applications that are operating-system independent. The ease of building GUI database front ends allows connection to existing data while incorporating end-user design elements. Using a Multi Document Interface enables object properties to be added or changed at any time during application creation. Applications run at compiled speed, not interpreted speed. All applications created are royalty-free.

AIF (Application Integration Facility)

IBM Corporation

3500 Steeles Avenue East
Markham, Ontario, Canada L3R 2Z1

AIF (Application Integration Facility)

Retail Price: Negotiable

Contact: Phil Pergolas

Phone: (905) 316-3459

Fax: (905) 316-2535

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

AIF is designed to provide inter-application communication for OS/2 workstation-based applications, both in a stand-alone and LAN environment. The result is an integrated line of business application that presents a clean, seamless interface to the end-user.

AIF is a developer's tool that provides a more productive way to develop workstation and LAN-based end-user applications.

" AIF allows the developer to select the best development tool, or user's tool of preference, for each business function within an application. For example, if a set of calculations are best done using a spreadsheet, a spreadsheet can be seamlessly integrated into the application.

" AIF enables extensive reuse of developed code. The Application Handlers are generalized interfaces to a wrapped applet (e.g., spreadsheet). There is no need to change or adapt the original applet.

The object-oriented structure used to build AIF Application Handlers also enables reuse of methods through inheritance. In addition, parts of applications can be reused in the same or different applications.

" The Workbench graphical user interface provides the developer with an interactive way of defining connections between applets.

- “ AIF allows an applet to act as a server, or as a client, in a client/server environment. This provides an easy way to turn a common application into a service available to other applications. For example, a large, complex applet such as a knowledge-based system can act as a server for several applications.
- “ Hardware devices can also be integrated and shared by applications through AIF, thereby reducing hardware costs.
- “ AIF Express, a Service Offering to help you integrate applications, is also available.

AM COBOL Interface

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM COBOL Interface

Retail Price: \$3000

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

The AM COBOL Interface makes it easy to develop communication links between AM and a COBOL DLL. This allows portions of an application to be written in COBOL and integrated into a full client/server environment using AM.

The AM COBOL Interface provides buffered conversations between AM and COBOL, and allows buffers to be defined independently of applications, resulting in easier maintenance. It automatically handles low-level communications links and data-parsing into internal table structures. The AM COBOL Interface supports multiple entry points, and optimizes commonly-used functions.

Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stuttgart, Stockholm.

PARTS(R) CICS Wrapper

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

PARTS (R) CICS Wrapper

Retail Price: \$2995

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available: 8/93

PARTS(R) CICS Wrapper, a companion product for the PARTS Workbench, is the first technology that leverages a corporation's investment in CICS. It enables connectivity between PARTS applications and CICS COBOL programs running on workstations, LAN, mid-range, or mainframe systems.

With the PARTS CICS Wrapper, CICS transactions can now be made into reusable parts. CICS programmers can create new parts or modify existing ones. And, others in your organization can reuse the parts without having any knowledge of CICS or COBOL, because parts are assembled into applications via an easy graphical user interface.

Key features include:

- " Calls CICS COBOL subprograms on local or remote systems, such as OS/2, MVS, VM, VSE, RS/6000, AS/400 and HP-9000
- " Lets developers easily create fields for any data item. The Wrapper manages data conversions between CICS and PARTS Workbench formats
- " Exploits CICS and OS/2 multi-tasking support for parallel activities. You can fire several long-running CICS transactions before the first CALL returns.
- " Coordinates commit or rollback operation across several CICS parts within the same unit of work to ensure data integrity among transactions.

“ Organizes transactions into individual parts giving a logical view of transactions.

PARTS(R) Workbench for OS/2

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

PARTS(R) Workbench for OS/2

Retail Price: \$1,995

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available:

PARTS Workbench(TM) for OS/2 is a revolutionary client/server integration tool which allows rapid application development through easy assembly and reuse of application components.

PARTS(TM) is an open, client-server technology that enables very rapid visual application construction from prefabricated software components. PARTS, an acronym for Parts Assembly and Reuse Tool Set, is the first Client/Server Technology Integration Tool. The PARTS Workbench is the framework for this technology. It makes the assembly and re-use of software components from different technologies a distinct and easier process than creating the components. These components can be written in Smalltalk/V (R), C, or other languages. The PARTS Workbench consists of a catalog of over 60 prebuilt components, both visual and non-visual, and a workbench window. Applications are created with these simple steps:

- .. drag parts from the catalog into the workbench
- .. specify part interaction by visually wiring parts together

The purchase price includes both the right to distribute unlimited runtime applications and the right to deliver components based on this technology with no additional royalty payments to Digitaltalk. Three extensive manuals, an on-line tutorial and sample applications using each part is included. Digitaltalk is a member of the International Alliance for AD/Cycle, IBM's framework for application development for cooperative computing. IBM markets Digitaltalk's products worldwide through its Cooperative Software Program. Digitaltalk Professional Services provides consulting and training for all Digitaltalk products

as well as object-oriented design and analysis.

The SAS System

SAS Institute Inc.

SAS Campus Drive
Cary, NC 27513

The SAS System

Retail Price: Call

Contact: Software Sales Department

Phone: (919) 677-8000

Fax: (919) 677-8123

Int'l Contact: International Marketing Dept.

Int'l Phone:

Int'l Fax:

Available:

The SAS System is an integrated suite of software for enterprise-wide information delivery, specializing in tools for applications development, EIS, client/server computing, data management, many forms of data access and analysis, and more.

The SAS system is an integrated suite of software products for enterprise-wide information delivery -- providing organizations with tools to access, manage, analyze and present their data within an application development environment, as well as user-friendly menu-driven systems. Capabilities within the SAS System include EIS, spreadsheets, graphics, data analysis, report writing, quality improvement, project management, client/server computing, database access, applications development, and more. SAS is modularly designed so that an organization can design a system to meet their specific application needs. The SAS System takes full advantage of the IBM OS/2 2.x Operating System. The software can also be integrated to run across multiple hardware platforms -- LANs, workstations, minicomputers, supercomputers, and mainframes.

SNA Function Management Developer's Toolkit

Eicon Technology Corporation

2196 32nd Avenue
Lachine, Quebec, Canada H8T 3H7

SNA Function Management Developer's Toolkit

Retail Price: \$1,000

Contact: Wendy Shetler, Product Marketing

Phone: (514) 631-2592

Fax: (514) 631-3092

Int'l Contact: Angie Nigro

Int'l Phone:

Int'l Fax:

Available:

This toolkit creates a working environment that provides the ultimate in flexibility for applications needing to access information from a single SNA host to multiple SNA hosts concurrently.

The SNA Function Management Developer's Toolkit for OS/2 provides a high-level interface for the SNA protocol stack using a library of "C" function calls. Through an Eicon Technology SNA Gateway and InterConnect Server, the developer can create applications to implement one or more LU-LU sessions between standalone or LAN workstations and SNA hosts, such as IBM 370, SYS/3X and AS/400s. It features full support for IBM SNA Logical Unit Types LU 0, LU 1, LU 2, LU 3, LU 4 and LU 7. This toolkit offers an entry point into the SNA stack within Eicon Technology's EiconCard. Programmers can set up and cancel a session, activate or de-activate the Logical Unit, send and receive data, inquire about LU connection status, and inquire about adapter status. The toolkit handles all Data Link Control, Path Control, Transmission Control, and Data Flow Control Services. This toolkit allows users to connect up to 254 Logical Units simultaneously. These LUs can be channelled through one PU or shared between a maximum of 32 active PUs.

Visage

QIIQ Ltd.

Elm House, 17-19 Claygate Lane
Thames Ditton
Surrey, England KT7 ODL

Visage

Retail Price: UK £375

Contact: Alan King

Phone: +44 81 3390739

Fax: +44 81 3988443

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: December 1993

VISAGE allows a programmer to easily add a PM-based user interface to an existing DOS text-mode program without needing to modify the original program.

VISAGE is a tool that allows a programmer to convert an existing text-based DOS program into a full OS/2 Presentation Manager graphical application without requiring any change to the DOS Program at either the source code or executable code level. The resulting application runs with other PM applications on the OS/2 Desktop and has the look and feel of a program written entirely for Presentation Manager.

VISAGE works by running the program in a background DOS session whose screen output and keyboard input are controlled by VISAGE under instruction from a graphical 'front-end' program running on the PM Desktop. The PM front-end program may be easily and rapidly developed in REXX; a C/C++ API is also provided.

There are no license or royalty fees payable for the VISAGE Runtime routines.

X.25 Network-Level Developer's Toolkit for OS/2

Eicon Technology Corporation

2196 32nd Avenue

Lachine, Quebec, Canada H8T 3H7

X.25 Network-Level Developer's Toolkit for OS/2

Retail Price: \$1,000

Contact: Nyrie Palouljian

Phone: (514) 631-2592

Fax: (514) 631-3092

Int'l Contact: Angie Nigro

Int'l Phone:

Int'l Fax:

Available: Available now

The X.25 Network-Level Developer's Toolkit for OS/2 allows developers to design communications programs for systems that need to move data quickly and efficiently between remote locations.

The X.25 Network-Level Developer's Toolkit for OS/2 provides a communications pathway for data that is independent of any architecture, allowing programmers to build remote links for data access between PCs and mainframe systems. It is a library of C functions that provides a high-level interface to the X.25 data stream. Function calls let programmers set up and cancel X.25 calls, select network parameters, send and receive data, inquire about connection status, and more. Developers have complete control of all parameters for X.25 communications without low-level coding. The toolkit allows management of up to 254 concurrent virtual circuits and completely insulates applications from all protocol processing. The toolkit talks directly to the real-time communications kernel on Eicon Technology's EiconCard. User-defined window and packet sizes mean communications processing can be tailored for optimum performance. Full access to X.25 User Facilities allows different facilities to be set for each individual virtual circuit. With optional LAN Support software, the toolkit becomes fully compatible with NetBIOS-compatible, Novell NetWare, and Banyan VINES LANs.

Arity/Prolog32

Arity Corporation

Damonmill Square
Concord, MA 01742

Arity/Prolog32

Retail Price: \$2,450

Contact: Meredith Bartlett, New Business Development

Phone: (508) 371-1243, (800) 722-7489

Fax: (508) 371-1487

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/93

Arity/Prolog32 is a fast, powerful and sophisticated Prolog Compiler that takes full advantage of the 32-bit environment.

Arity/Prolog32 offers you all the power and sophistication of the Arity/Prolog programming language combined with the superior performance of the 32-bit environment. This combination of speed and flexibility along with the strength and versatility of Arity/Prolog's internal database represents the highest run-time performance of any commercially available Prolog. The Arity/Prolog 32-bit environment eliminates many of the imposed 16-bit environment limitations for both language and system performances.

Animated Design/2

IBM Corporation

Hanns-Klemm-Str. 45
D-71034 Boeblingen, Germany

Animated Design/2

Retail Price: \$5000-\$8000

Contact: M.T. Schmidt

Phone: +49 7031 166118

Fax: +49 7031 166901

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/01/93

AnDes is an OS/2 program that animates process models created using the Ward and Mellor design method and the Excelerator II Version 1.1 Structured Methodology Packages (Excelerator II). AnDes lets you examine the dynamic behavior of the processes you model. It makes their behavior visible by using animated graphics that show:

- " The activation and deactivation of processes
- " The flow of signals and data
- " Transitions from one state to another.

Signals and data appear to flow to and from the processes, transition diagrams seem to flow from state to state, and the user can actually see the various data and controls processes being activated and deactivated. This lets the user explore the dynamic behavior of a model.

For the animation, AnDes uses the control information inherent in the model. There is no need to write throw-away simulation code (stub code).

With AnDes, users can:

- " Identify and fix design errors (debug designs) earlier
- " Explore, understand and explain their designs

- " Evaluate design alternatives and streamline their designs
- " Test designs automatically
- " Create test scenarios.

AnDes is available with an additional prototyping feature that lets users:

- " Create panels for a product's graphical user interface (GUI)
- " Link the panels to their model to create a prototype that looks and behaves like the final product
- " Use AnDes as an application driver instead of coding.

Application Development Workbench

KnowledgeWare, Inc.

3340 Peachtree Road, N.E.
Atlanta, GA 30326

Application Development Workbench

Retail Price Contact Sales Office

Contact:

Phone: (800) 444-8575, (404) 231-8575

Fax: (404) 364-0883

Int'l Contact: KWI World Headquarters (Paris)

Int'l Phone: +33 1 4417 6400

Int'l Fax:

Available: Current

The ADW is a product line addressing the complete application development life-cycle. It includes tools to plan, design and implement your organization's client/server, midrange, and mainframe information systems.

The ADW is composed of a highly integrated graphics-based set of workstations, supplemented by optional mainframe-based tools. The workstation products are CUA- and SAA-compliant, and were designed for IBM's OS/2 environment. The ADW products aid users in all phases of application development: planning, analysis, prototyping, design, code generation, system documentation, and maintenance. Work flows smoothly and efficiently from strategic planning through to detailed design and system construction. All information collected during the application development life cycle is stored in a central encyclopedia -- the point of integration for all ADW products. The encyclopedia ensures consistency among all specifications and designs, and provides real-time error-checking to guarantee the quality of design work. With the ADW you can gather business requirements independently of the target platform, and then develop design specifications and generate code for different hardware environments including OS/2. For systems running under OS/2, the ADW can generate fully functional applications incorporating windows, dialogs, graphics and on-line help.

AXI* Design

AXI NV

Boomsesteenweg 30
2627 Schelle, Belgium

AXI* Design

Retail Price: BEF 90,000

Contact: Bart Henneman, Product Manager

Phone: +32 3 8444629

Fax: +32 3 8444054

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/1/94

AXI*Design, a CASE tool, is used during the design phase of an automation project.

Primary component of the data analysis and the activity analysis can be implemented. Draw data models, activity decomposition and data flow diagrams. Complete AXI* ICase* Dictionary enables you to store all information relevant to project documentation.

BACHMAN/Analyst

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/Analyst

Retail Price: \$10,000

Contact:

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/Analyst is a comprehensive, graphical, and integrated environment for creating enterprise models. It plays a key role in helping to reduce the application backlog and maintain competitive business applications.

BACHMAN/Analyst has major added benefits, including enhanced communication among developers and end-users, flexible technology-independent model, reuse of models, and leveraging of past investments through re-engineering. BACHMAN/Analyst is part of a complete Model-Driven Development approach, so it doesn't just help you draw diagrams of your business; it helps you create functional specifications that drive DB2 and generate applications. BACHMAN/Analyst supports logical modeling independent of the programming language you choose, so reuse of models is assured. The models are synchronized with the rest of the BACHMAN product suite. This means your models are always accurate and up-to-date.

BACHMAN/Analyst Capture

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/Analyst Capture

Retail Price: \$5,000 - \$10,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/Analyst Capture is a family of powerful re-engineering tools that lets you bring your existing data into the BACHMAN/Analyst, where they can be used to create relational databases in a comprehensive model-driven environment.

BACHMAN/Analyst Capture products convert your existing application investments to the entity-relationship models used by BACHMAN/Analyst. BACHMAN/Analyst Capture products provide a migration path from existing applications to the model-driven environment, preserves past development investments, turns databases into clear models for easier analysis, and support faster, error-free development. Works with IMS, PL/I, COBOL, and other data files. BACHMAN has designed the migration process to minimize the need to edit files prior to translation and capture. To help migration, a capture log file records key information such as statement types captured and ignored, whether any errors were encountered, and how many data-model objects were captured or merged.

BACHMAN/Analyst Link

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/Analyst Link

Retail Price: \$4,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/Analyst Link will migrate your KnowledgeWare Application Development Workbench (ADW) files -- both data and process -- directly into the BACHMAN environment.

BACHMAN/Analyst Link adds value to your ADW files during translation, because it creates first-cut logic models from your Data Flow Diagrams or process models, giving you a head-start in development. Many KnowledgeWare users on DOS platforms have already moved up successfully to BACHMAN with the help of the BACHMAN/DA Link for IEW. Now, BACHMAN/Analyst Link lets OS/2 users make the move as well. BACHMAN/Analyst Link leverages KnowledgeWare investment into the advanced model-driven environment, translates over 95% of logical ADW files into BACHMAN, and aids rapid startup by providing first-cut logic models. It improves productivity in development and maintenance and promotes enterprise-wide management of models, applications and databases.

BACHMAN/DBA

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/DBA

Retail Price: \$15,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/DBA helps designers manage relational, logical and physical DB2 database design tasks, providing features for new design, maintenance, enhancement and documentation. The Expert Advisor component handles the fundamental optimization rules so that both novice and expert database designers can achieve better-quality results more consistently and in less time.

Using BACHMAN/Database Administrator, DBAs and data analysts can rapidly create, update, and maintain high-performance, production-quality DB2 systems that are fully compliant with IBM guidelines. BACHMAN/DBA includes the unique and powerful BACHMAN Expert Advisor, which uses expert system technology to bring the advice and help of the Industry's leading specialists to your desktop. This feature simplifies the learning process, improves productivity, and enhances the creation of mistake-free production-quality applications. BACHMAN/DBA is recognized by DBAs as the design tool of choice for relational databases.

BACHMAN/DBA Catalog Extract

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/DBA Catalog Extract

Retail Price: \$15,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/DBA Catalog Extract is a mainframe-based product that extracts DDL including alias objects from the DB2 catalog and produces files for downloading to the workstation.

By extracting objects from the Catalog and downloading a DDL file to the workstation, BACHMAN/DBA Catalog Extract maintains complete accuracy between mainframe database and workstation development. It simplifies and streamlines database design, ensures accurate synchronization between DB2 Catalog and enterprise models, and aids reverse-engineering of existing DB2 databases into the BACHMAN environment. It captures DB2 statistics for easy integration into database design and helps validate database design and preserve integrity.

BACHMAN/DBA Enabler

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/DBA Enabler

Retail Price: \$12,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN DBA/Enabler broadens the scope of Model-Driven Development by providing a means to design SQL/DS databases from BACHMAN/Analyst models.

BACHMAN/DBA Enabler provides relational and physical design capabilities. The BACHMAN/DBA Enabler automates many routine DBA tasks, such as the mass creation of objects using DDL, validation of the database design, and generation/capture of full or incremental DDL. Based on an initial design in DB2 DDL, all pertinent objects are translated to create SQL/DS DDL. This translation includes recalculating space requirements, handling all pertinent objects and their dependencies, referential integrity, and generating syntactically correct DDL.

BACHMAN/Designer

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/Designer

Retail Price: \$10,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/Designer is the cornerstone of BACHMAN's open code-generation strategy. BACHMAN/Designer allows MIS professionals to generate better-quality, high-performance DB2 applications with the IBM Cross System Product. Applications are generated and maintained from BACHMAN/Analyst models.

This open strategy provides you with the flexibility of using the BACHMAN application development tools with a variety of code generators. Using BACHMAN/Designer, organizations can maximize their investment in models created with the BACHMAN/Analyst and in database designs created with the BACHMAN/DBA. Because the BACHMAN/Designer is synchronized with BACHMAN/DBA, it eliminates the drudgery and error-prone process of generating valid SQL statements, definitions and I/O statements. Instead, developers can concentrate on the application itself.

BACHMAN/Shared Work Manager

Bachman Information Systems, Inc.

8 New England Executive Park East
Burlington, MA 01803

BACHMAN/Shared Work Manager

Retail Price: \$5,000

Contact: Regional Sales Representative

Phone: (617) 273-9003, (800) BAC-HMAN

Fax: (617) 229-9904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BACHMAN/Shared Work Manager (SWM) allows teams of analysts to share models while working in parallel, without the usual "lockout" problems of traditional workgroup tools.

BACHMAN/SWM is the first workgroup product for CASE that combines the security that managers demand with the freedom and flexibility that developers need. As a result, BACHMAN/SWM increases consistency across applications, streamlines workflow, and simplifies and encourages teamwork -- while allowing individual creativity and flexibility. It helps shorten development time while maintaining quality and model integrity, and provides full reporting during development. BACHMAN/SWM lets the model administrator set up team assignments in a variety of ways to suit the project requirements and the expertise available. Team members work on individual subset models, while the administrator monitors and reviews work-in-progress using the reporting capability. Then, before multiple pieces are intelligently merged back into one, the administrator can preview the model using the built-in BACHMAN Expert Advisor to identify and resolve conflicts. The end result is an accurate model requiring minimum rework.

CASEwise Modeler

Application Development Consultants, Inc.

12000 N. Dale Mabry
Suite 226
Tampa, FL 33618

CASEwise Modeler

Retail Price: \$3759 +

Contact: Steve Loveridge, V.P. Sales & Marketing

Phone: (813) 265-3708

Fax: (813) 265-3028

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/1/91

CASEwise Modeler is a sophisticated and intuitive modeling tool for the business analyst and software engineer. It provides a powerful approach to business re-engineering.

CASEwise Modeler's client/server architecture allows the project team to share a repository on a LAN with concurrent access controlled by the database management system.

The central repository is a high-performance relational database with full transaction-logging and audit trail. It offers an SQL interface and interoperability with other tool environments via its open import/export capability. The repository is portable across PC/MS DOS, AIX, UNIX, and OS/2, and is accessible via Novell, Token Ring, NetBIOS and TCP/IP networks.

Modeler offers outstanding graphics quality, zoom in/out, select and speed keys, with cut-and-paste of both diagrams and text between models and other tools. Re-sizeable print frames allow complete control of diagram output. Over 50 reports can be individually configured. Rigorous consistency checking assures that models are error-free.

Modeling techniques:

- Process Dynamics Modeling
- Entity Relationship Modeling with Schema Generation
- Function Decomposition

Matrix Modeling
Data Flow Modeling

case/4/0 V 4.1 for OS/2

microTOOL GmbH

Voltastr. 5
13355 Berlin, Germany

case/4/0 V 4.1 for OS/2

Retail Price: 12.900,00 DM

Contact: Mr. Gasteier

Phone: +49 304670860

Fax: +49 304644714

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 1994

case/4/0, a software system integrating well-proven techniques and graphical tools, supports the entire process of system analysis and software design, including description of user interface, implementation and generation of code and SQL. case/4/0 generates code for Microfocus COBOL 85 Workbench.

case/4/0 uses an integrated, relational LAN repository, making it a multi-user tool.

case/4/0 uses Structured Analysis by Jackson and DeMarco, Entity Analysis by Codd and Chen, and modular Software Design according to Wirth. The new Real Time and Simulation Component in case/4/0 V 4.1 enables you to graphically visualize business incidents in a simple way. Besides data-transforming and -controlling functions, information-flow diagrams will now contain dialog functions which serve as a basis for prototyping already in system analysis. For a more detailed description of process control, State Transition Diagrams are available as a new diagram type in case/4/0 V 4.1.

CF Workstation

CASE Facilitator, Inc.

18 Westwood Drive
Geneseo, IL 61254

CF Workstation

Retail Price: \$12,000

Contact:

Phone: (309) 441-5804

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CF Workstation enables broader use of INTERSOLV's APS and KnowledgeWare's Design Workstation through its three components: APS=COBOL, ADW=APS, and APS=ADW.

Development groups who have exploited the application-generator paradigm have found that maintenance of these applications require less resource than maintenance of an application at the COBOL level. For users of the APS generator, APS=COBOL enables them to bring existing COBOL programs into the APS environment. Maintenance personnel can then use the APS shorthand COBOL as well as APS macros written for new development efforts in the maintenance of these old applications. Development groups can now have their entire staff using the same tool set. It can also improve the productivity of developers who are Re-Engineering existing applications. CASE Facilitator, Inc.'s initial customer used KnowledgeWare's ADW and INTERSOLV's APS as key tools to facilitate their re-engineering efforts. APS=COBOL expedites the conversion of mainframe applications to the client/server paradigm by exploiting INTERSOLV's flexible client/server model. ADW=APS and APS=ADW help programmers move APS Program Painter Source into and out of KnowledgeWare's ADW Design Workstation.

DAISys - The Developer's Assistant for Information Systems

S-Cubed, Inc.

1010 Washington Boulevard
Stamford, CT 06901

DAISys - The Developer's Assistant for Information Systems

Retail Price: \$12,000/Volume Discounts

Contact: John Rade

Phone: (203) 323-0760

Fax: (203) 323-2007

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

DAISys, a fully integrated suite of tools, combines the technical and procedural strengths promised by traditional CASE with the end-product and end-user focus of today's leading client/server development tools.

S-Cubed has introduced a new generation of tools (DAISys) for information-system development. We combine the technical and procedural strengths of traditional mainframe CASE with the end-product and end-user focus of today's leading client/server application development tools.

S-Cubed products cover the full life-cycle, including the gathering and refinement of business requirements, and can be used to deliver both mainframe and client/server (true OS/2 32-bit capability) applications rapidly.

DAISys supports the full development life-cycle: from defining business requirements, to logical modeling, to physical design, to code generation, with all associated documentation. DAISys delivers increased productivity, and we deliver on the most compelling aspects of an application development tool: structured analysis, reusability, data security, system integrity, and enterprise-wide capability. Our products also incorporate what many consider essential in tools used for large scale development: expert systems and object-oriented techniques.

Like leading client/server application development tools, our products are GUI-based, quick to learn, and easy to use. DAISys shows rapid results and is highly intuitive -- not only for the developer, but for the end-user.

With S-Cubed, all of these capabilities are brought to both developers of mainframe systems and those developing client/server applications.

Entity/Relationship Diagrammer

IRMWare Services

P.O. Box 51093
Phoenix, AZ 85076-1093

Entity/Relationship Diagrammer

Retail Price: \$500-\$2500

Contact: Michael D. Leisch

Phone: (602) 730-1510

Fax: (602) 413-0399

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

A graphical tool for creation and maintenance of Conceptual Data Models. Depicts business relationships as the business sees it without losing precision of binary cardinalities. An inexpensive entry into CASE technology that remains methodology-independent, supports user-definable standards, and supports open architecture. Will do graphical and textual components at the same time, online diagram editing and cross-diagram linking.

Excelerator II for OS/2

INTERSOLV, Inc.

3200 Tower Oaks Boulevard
Rockville, MD 20852

Excelerator II for OS/2

Retail Price: \$6,250 - \$9,500

Contact: Patti Darsigny, Telesales Manager

Phone: (800) 777-8858, (617) 252-4508

Fax: (617) 494-8591, (617) 577-8945

Int'l Contact: Panos Anastassiadis

Int'l Phone: +44 72 781 2812

Int'l Fax:

Available: Immediate

INTERSOLV's Excelerator II for OS/2 is the next generation of Planning, Analysis and Design Tools. XL/II supports multiple methodologies for creating client/server IS applications.

In addition to built-in support for many popular methodologies -- including Structured Analysis & Design, Information Engineering, and Object-Oriented Analysis & Design -- XL/II takes advantage of the INTERSOLV LAN Repository's Customizer, which lets you build or tailor a methodology to individual requirements.

The INTERSOLV Information Link integrates XL/II with APS, INTERSOLV's full-function application generator. XL/II shares information with complementary tools through industry-standard interface formats including External Source Format, which offers integration with IBM's CSP/AD.

Highlights:

- " Uniquely supports team development
- " Works the way you do -- top-down, bottom-up, or middle-out
- " Improves quality while accelerating application delivery
- " LAN repository, industry standards promote reusability
- " Enforces your evolving methodologies

FormCASE V.2.0

Application Solutions & Technologies, Inc.

1803 Research Boulevard
Suite 403
Rockville, MD 20850-3155

FormCASE V.2.0

Retail Price: Call

Contact:

Phone: (301) 424-1228

Fax: (301) 424-2432

Int'l Contact: ASTI Shanghai

Int'l Phone: +86 21 470 1669

Int'l Fax:

Available: Available

FormCASE is a form-based CASE tool that targets automatic development of either single-user or network application systems. FormCASE V 2.0 interfaces with various DBMSs and supports the PC platforms for DOS, OS2/2.0 and NIX.

FormCASE is a form-based and rule-driven CASE package with a set of tools that target high-end, high-productivity, easy, and rapid business application development. Using FormCASE, users can describe a complete application system by generating forms and reports, designing screens and menus, and specifying business logic and rules. They can define an application that automates the flow of work information, automatically passing data from one point in the process to the next. FormCASE's rule-driven concept supports direct execution of transaction activities based upon the specified logic and rules. Maintenance is easy because the whole system is defined, analyzed, and modified at the requirement level. Users can generate a complete application system through an iterative prototyping process by modifying the transaction rules without actually writing a single line of code. FormCASE combines aspects of many familiar software tools such as spreadsheets, DBMSs, and 4GLs into a user's operational environment. FormCASE lets users define user-interface features through the use of windows, menus, panels, and buttons to produce a complex, dialogue-interactive application system. FormCASE gives users direct, immediate, and visible feedback on the system's behavior from the given specification definitions. All designs and specifications automatically produce a complete system specification document.

GUILD

GUILD Products, Inc.

1710 South Amphlett Boulevard
San Mateo, CA 94402

GUILD

Retail Price: \$895

Contact: Sales

Phone: (415) 513-6650, (800) 995-5452

Fax: (415) 349-4908

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Since 3Q '91

GUILD is a high-level GUI development tool for professional C application developers. You develop the GUI by point-and-click while you write the application code in C or C++.

GUILD shields you from having to get involved in the details of writing calls to Presentation Manager API. Most other GUI products only help you with "screen painting", which is the easy part. One of the major benefits of GUILD is that it manages the event loop, it enables you to easily specify actions (e.g., sending messages), and it facilitates display of data by point-and-click. The data can come from external databases or from GUILD's built-in file system. The GUILD resource file is separate from the application code. This file is read at run-time, which makes GUILD a User Interface Management System. This design results in GUILD having functionality that is unavailable in competitive products, and it enables user interfaces developed in GUILD to be portable between the window managers. GUILD is fully 32-bit by design. GUILD has on-line testing and debugging facilities to reduce the time involved in compiling, linking, and testing. Development gains of a factor of five compared to coding the GUI in C have been reported by our customers. GUILD has been shipping since the summer of 1991.

HALO Imaging Library

Media Cybernetics

8484 Georgia Avenue
Silver Spring, MD 20910

HALO Imaging Library

Retail Price: \$599

Contact: Sales Dept.

Phone: (301) 495-3305

Fax: (301) 495-5964

Int'l Contact: Jim Tyre

Int'l Phone:

Int'l Fax:

Available: 5/17/93

The HALO Imaging Library (HIL) is a platform-independent imaging tool kit for application developers. The library provides the ability to read and write image files and to manage multiple images in memory. It is ideal for applications involving color-document management, image database systems, image-file viewing, file-format conversion, and specialized image-processing.

The platform-independent API ensures that your programming investment is preserved when migrating applications to new platforms.

ISA Dialog Manager

ISA Informationssysteme GmbH

Azenbergstr. 35
D-70174 Stuttgart, Germany

ISA Dialog Manager

Retail Price: 12.000 DM

Contact: Annette Betz, Marketing Manager

Phone: +49 711 227690

Fax: +49 711 2276919

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Released

User Interface Management System supporting all major window systems and AlphaWindows for ASCII terminals. A client/server component allows the distribution of dialog and application in heterogeneous environments.

ISA Dialog Manager is an object-oriented tool for the interactive design and development of portable graphical user interfaces. Layout and functionality of the user interface are comfortably designed by means of a WYSIWYG editor without mixing dialog and application layers. No special knowledge of window-system programming is required.

An integrated simulation component allows rapid prototyping as well as functionality tests during the implementation phase.

The dialog descriptions are portable among the standard window systems: Presentation Manager, MS Windows, OSF/Motif (Unix, VMS), and AlphaWindows for ASCII Terminals. Individual applications or standard software packages can be easily integrated by means of a C or COBOL interface -- even applications that are distributed in a heterogeneous client/server architecture.

JCL Navigator(R)

Canyon Software Corp.

300 Central Park West
New York, NY 10024

JCL Navigator(R)

Retail Price: \$975

Contact: Bruce Gordon, President

Phone: (212) 580-2788, (800) 872-6290

Fax: (212) 580-3676

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

JCL Navigator(R) converts IBM MVS JCL into graphical flowcharts while capturing all the detail included in the JCL to create a database of information about batch systems.

JCL Navigator(R) is an innovative OS/2 CASE tool designed to uncover the vast amount of system design information buried in batch MVS JCL.

CASE Trends (9/93): "The JCL Navigator was easy to use, navigate through, and has the power and features to get the job done. With facilities to tailor graphical views, provide impact analysis, program and file cross-referencing, and handling symbolic overrides, the JCL Navigator is the perfect guide."

The JCL Navigator provides programmers, designers and analysts with an intuitive graphical workstation-based approach to working with IBM batch systems.

The JCL Navigator couples graphical visualization with object orientation to provide a complete batch systems solution for systems developers and tech support personnel alike. With facilities to create alternate graphical views, annotate and document, and scan COBOL source, the JCL Navigator is an indispensable batch systems maintenance tool.

A free Guided Tour Demo Disk is available.

JOE - Job Organization Environment

Mesarteam S.p.A.

Via Vaninetti, 27
Torino, Italy 10148

JOE - Job Organization Environment

Retail Price: Based on Customizations

Contact: Marco Andreis, Product Manager

Phone: +39 11 26851

Fax: +39 11 2202662

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: April 1993

JOE is a CASE tool for the management of JCL procedures in large EDP centers using an object-oriented interface under OS/2 version 2.

JOE (Job Organization Environment) lets the user automatically cover the activities related to the installation of a new procedure or the re-engineering of already installed procedures in the MVS XA/ESA environment; both tasks are accomplished with respect to the EDP Centre standards. After having acquired all the information about the procedure (steps, archives, ...), JOE is able to generate the jobs structure, the JCL (Job Control Language), and the documentation. In the same way, it covers an automatic acquisition of the already existing JCL to adapt it to the new standards defined by the user.

KASE:VIP

KASEWORKS

3295 River Exchange Drive
Suite 430
Norcross, GA 30092

KASE:VIP

Retail Price: \$3,495

Contact: Corporate Sales

Phone: (404) 448-4240, (800) 888-4335

Fax: (404) 448-4163

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

KASE:VIP is the visual design and code generation tool ideal for developing business-critical, GUI-based client/server applications in standard languages such as C, C++ and COBOL.

KASE:VIP is a strategic visual design and standard-language code-generation tool for developing business critical client/server applications for OS/2.

KASE:VIP provides a core set of modular designers to define the graphical interface layer of the application. This modular architecture makes KASE:VIP ideal for workgroup team development and provides reuse of standard design objects.

KASE:VIP's modular architecture acts as a "motherboard" for additional designers to "snap" into KASE:VIP. These additional designers address client/server technologies such as SQL and distributed CICS.

Once the interface definitions are complete, KASE:VIP generates the required source code (for both OS/2 and Windows clients) in standard languages such as C, C++ or COBOL. Applications built with KASE:VIP are free of runtimes and development restrictions.

KASE:VIP is based on KASEWORKS' patented and extensible KASE code-generation technology. With KASEWORKS' Open Architecture License, developers may control the code-generation process, and create additional designers to prototype extensions proprietary to their organization.

Prosa Structured Analysis and Design Tool

Insoft Oy

Kirkkokatu 5 B
SF-90100 Oulu, Finland

Prosa Structured Analysis and Design Tool

Retail Price: \$2930.00

Contact: Hannu Lehtikainen

Phone: +358 81 376128

Fax: +358 81 371754

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Prosa Structured Analysis and Design Tool supports SA/SD/RT method as a system and software specification and design methodology. Prosa supports environment modeling with context diagram and event list, behavioural modeling with DeMarco data flow diagrams, Ward & Mellor state transition diagrams and minispecifications, and information modeling with Bachman or Chen entity relationship diagrams. All SA/SD/RT models are designed with the same modeling editor, providing a unique integration of models and interactive checking of models. The user interface of Prosa is very fast and easy to use. Prosa supports team development in networked environments. Prosa integrates with Prosac++ code generator for automatic, complete C code generation, with Prosasql for automatic SQL code generation, and with Prosacdm for automated, concurrent documentation.

In addition to OS/2 version 2.1, Prosa/om is available for Windows 3, VMS/Motif, UNIX/Motif and UNIX/Openlook. User interfaces and data bases are compatible across all platforms.

Seer/HPS v5.3

Seer Technologies, Inc.

8000 Regency Parkway
Cary, NC 27513

Seer/HPS v5.3

Retail Price: \$175,000 and up

Contact: John Ryan VP of Sales

Phone: (919) 380-5000

Fax: (919) 469-1910

Int'l Contact: UIF Paulsson

Int'l Phone: +44 81 754 9000

Int'l Fax:

Available: 2Q94

Seer/HPS is an I-CASE tool that meets the unique challenges of putting mission-critical, distributed computing applications into production, and managing those applications in complex, multiplatform environments.

Seer/HPS is an I-CASE tool that meets the unique challenges of putting mission-critical, distributed-computing applications into production, and managing those applications in complex, multiplatform environments.

Seer/HPS generates the most complicated type of applications -- distributed, client/server computing systems. Seer/HPS generates state-of-the-art graphic user interfaces (GUIs), communications control, database access, transaction management, and multiprocessing application logic for networks of workstations, midrange computers and mainframes.

Seer/HPS delivers superior productivity through its repository-based architecture that integrates all development activities; through object-based design that enables extensive software object reuse; through intelligent code-generators that shield developers from platform complexity; and by the seamless integration of easy-to-use, graphic-oriented tools and services that cover the entire systems life-cycle, from planning through delivery and change management.

The bottom line is that Seer/HPS enables you to develop and deploy both 3270 NPT and modern, client/server information systems that provide far richer functionality than ever before possible.

Btrv++

Classic Software, Inc.

3542 Pheasant Run Circle
Suite 8
Ann Arbor, MI 48108

Btrv++

Retail Price: \$249

Contact: Ed Moran, President/CEO

Phone: (313) 677-0732

Fax: (313) 971-3287

Int'l Contact: Jim Rogers

Int'l Phone:

Int'l Fax:

Available: Currently Available

A C++ library of 15 major classes providing a database framework for Novell Btrieve developers.

Implements all Btrieve operations as member functions as well as many value-added functions for file and index creation, iteration, extended operations and global Btrieve management. Includes an object-oriented C interface, C/C++ interface to Btrieve DDf Data Dictionaries and 32-bit support. A multi-compiler, platform product supporting Windows, DOS and OS/2 (16- and 32-bit). Source included. Royalty-free.

C++/Views 3.0

Liant Software Corporation

959 Concord Street
Framingham, MA 01701

C++/Views 3.0

Retail Price: \$749.00

Contact: Sales Department

Phone: (800) 237-1873, (508) 872-8700

Fax: (508) 820-0035

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/15/93

Object-oriented application framework for developing multi-platform, native GUI programs using C++. Includes interface, data, foundation, and string classes. Portable across Windows, OS/2, OSF/Motif, and Macintosh.

C++/Views is the best object-oriented application framework for developing multi-platform, native GUI programs using C++. C++/Views includes a library of over 100 C++ classes that solve a broad range of GUI software development problems. The library includes interface, graphics, event, foundation, data, container, and string and stream classes. C++/Views include C++/Views Constructor, a unique development tool that lets you work visually with C++/Views class library. The Constructor unites an Interface Builder for creating portable resources with a Browser so that you can switch from drawing and archiving your portable resources to editing the code that calls these resources. C++/Views applications are source-code portable across Microsoft Windows, OS/2 Presentation Manager, OSF/Motif, and Macintosh. There are no royalties or run-time fees. Source code is available.

Windows 3.1 version requires Borland, Microsoft or Symatech compiler. OS/2 2.x version requires Borland Compiler, OSF/Motif Version requires Sun, SCO, Interactive 3.0.1, UnixWare, HP-UX.

CommonView

ImageSoft, Inc.

2 Haven Avenue
Port Washington, NY 11050

CommonView

Retail Price: \$499

Contact: Sales

Phone: (516) 767-2233, (800) 245-8840

Fax: (516) 767-9067

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Few C++ tools are as universally accepted as CommonView for the development of GUI applications. CommonView combines the power of object-oriented programming with a fully portable framework.

CommonView has been the choice of thousands of developers since 1988. A set of predefined classes allows developers to create a single, portable, simplified Graphical User Interface program that will run on multiple platforms. Applications take on the look-and-feel of each platform.

Commpak/2 Dynamic Link Library, Programmers Toolkit

Oberon Software

1405 East Main Street
Mankato, MN 56001

Commpak/2 Dynamic Link Library, Programmers Toolkit

Retail Price:

Contact: Brady Flowers, President

Phone: (507) 388-7001

Fax: (507) 388-7568

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 4/93

The Commpak/2 Dynamic Link Library, Programmer's Toolkit provides low-, medium-, and high-level access to the PC's asynchronous communications port under OS/2 for C, C++, and other high-level languages. Includes everything required for manipulating the asynch port via the OS/2 COM.SYS driver, plus X, Y, and ZModem file transfer protocols and a REXX interface.

Distributed Application Developers Toolkit

Free University of Berlin, WRZ

Garystrasse 21

D-14195 Berlin, Germany

Distributed Application Developers Toolkit

Retail Price: \$25.00 + Shipping

Contact: Joerg Caumanns

Phone: +49 308382775

Fax: +49 308382843

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/1/94

The OS/2 Distributed Application Developer's Toolkit consists of RPC class library (C++), XDR library, and OS/2 RPC stub generator.

Enables even inexperienced programmers to implement distributed applications. Based on RPC, this object-oriented API is easy to learn and use. By applying the stub generator, non-distributed applications can be turned into distributed ones with nearly no changes to the source code. The OS/2 Distributed Application Developer's Toolkit is delivered with fully documented APIs for C++ and lots of examples.

KTDB++ Database Classes for C++

Klausner & Troyer Computer Systeme GmbH

Konradstr 15

A-4400 Steyr, Austria

KTDB++ Database Classes for C++

Retail Price: US\$ 1,195 - US\$ 3,590

Contact: Karl-Heinz Troyer

Phone: +43 725267751

Fax: +43 725268335

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/1993

This library makes it very easy to access different DBMSs from C or C++ programs.

There are versions for KTDB++ available for ODBC and IDAPI, but normally there are the standard APIs supported for less overhead and high performance.

With KTDB++ you will not see any line of SQL code in your DB application source. Even conditions are normal C/C++ conditions!!

Programs will be portable on different OSs and DBMSs!

NEDT 2.1

ARS NOVA Software GmbH

Stettener Strasse 32/3
D-73732 Esslingen, Germany

NEDT 2.1

Retail Price: \$1800 US

Contact: Mr. Michael Pawlitschek

Phone: +49 711 3704001

Fax: +49 711 3704003

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

NEDT provides a class library for graphical applications.

- " controls the user interactions.
- " allows animation within graphical editors.
- " handles and manages large object nets.
- " provides mechanisms for high performance storing of object nets.

NEDT supports:

- " arbitrary page layouts, up to virtually unbounded pages
- " copying, deleting, grouping of objects
- " display speed-up by image caching, zooming
- " grab-move functionality, incremental and region select.
- " fast external representation of objects nets.
- " versioned file formats
- " keyboard events.

NEDT has been used for:

- " balancing in a refinery
- " designing chemical processes
- " electronic circuit design
- " petri-net design and simulation
- " spreadsheets and scheduling plans
- " map editors
- " graphical representation of large tree and net-structures

Several add-ons to NEDT are available, like

- a generic Tree Editor and
- a generic Black-Box Editor

PARTS COBOL Wrapper

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

PARTS COBOL Wrapper

Retail Price: \$1,995

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available:

PARTS COBOL Wrapper(TM), a companion product for the PARTS Workbench(TM), is the first technology that leverages a corporation's investment in mission-critical legacy COBOL by turning it into reusable parts that can be assembled into applications.

The PARTS Workbench for OS/2, a revolutionary client/server integration tool, allows rapid application development through easy assembly and reuse of application components. With the COBOL Wrapper, COBOL programmers can create new COBOL parts or "wrap" existing ones. Others can reuse the parts without having any knowledge of COBOL, simply by assembling them using the easy graphical user interface of the PARTS Workbench. The COBOL Wrapper lets you call the COBOL subprograms which are in DLLs, passing data from the PARTS Workbench. In addition, you can easily create input/output fields for the parameter COBOL records. The COBOL Wrapper parts can be combined with the 67 parts which come with the PARTS Workbench to create applications. The first release supports Micro Focus COBOL/2. Later versions will support mainframe COBOL and other workstation COBOL compilers.

GraphixMaster PM

OHB Inc.

5005 Newport Drive, #505
Rolling Meadows, IL 60008

GraphixMaster PM

Retail Price: \$149-\$479

Contact: S. D. Bailey, V.P. Sales

Phone: (708) 592-1095

Fax: (708) 590-1097

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/1/93

The GraphixMaster PM series allows developers to port their graphic-based applications from DOS or Windows platforms quickly and easily. GraphixMaster PM intercepts graphics calls, and converts them to Presentation Manager API calls. The GraphixMaster series consists of three separate DLLs. The kernel DLL allows applications to seamlessly convert DOS or Windows graphics calls to PM API calls. The Animation Toolkit allows graphic animation for developing fully animated graphic products. The Image Toolkit allows the most popular image formats to be displayed and converted. Together, these toolkits offer the programmer a full suite of productivity tools.

zApp for OS/2

Inmark

2065 Landings Drive
Mountain View, CA 94043

zApp for OS/2

Retail Price: \$695

Contact: John Hudson, Sales Manager

Phone: (800) 346-6275, (415) 691-9000

Fax: (415) 691-9099

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/93

A C++ Portable Application Framework which simplifies GUI development by providing over 200 prepackaged C++ classes. With single-source compatibility, zApp provides you with portability between Windows, NT, DOS text, DOS graphics, and OS/2.

zApp is a C++ portable Application Framework which provides programmers over 200 classes that perform tasks like windowing, dialogs, controls, menus, fonts, bitmaps, forms, MDI, printing, window positioning, memory management, advanced graphics, etc. By using zApp classes, you are able to cut development time considerably, write up to 90% less code, offer more advanced functionality, and support many platforms with one set of source. zApp provides you with portability between Windows, Windows NT, DOS text, DOS graphics, OS/2, and soon X/Motif. Source code included.

AM (Applications Manager)

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM (Applications Manager)

Retail Price: \$8,400

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

AM is the leading 32-bit OS/2 development tool for building client/server applications with an OS/2 workplace object-oriented user interface.

AM is the leading OS/2 development tool for workstation-based client/server applications accessing data on LANs and remote host machines. AM is a graphical development environment that supports both SQL- and transaction-based host access. It integrates with all the major SQL databases, including both static and dynamic SQL support for IBM's DB2 family, and it provides transaction-based access based on APPC, Named Pipes, CICS OS/2 and 3270/5250 emulation.

AM development can be divided between programmers working on a LAN. Modules and reusable components are accessed from libraries using graphical dictionaries. AM has a very fast learning curve and supports RAD (rapid application development) and end-user involvement during development (JAD). AM exploits all the features of OS/2 version 2 including 32-bit operation, multitasking, DDE, CUA 91 and the Workplace user interface. AM is currently used by over 1500 organizations worldwide, which have delivered hundreds of successful applications. Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stockholm and Stuttgart.

AM - CP/Workbench

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM - CP/Workbench

Retail Price: \$8,400 per server

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

The AM CP/Workbench (cooperative processing) enables graphical OS/2 applications to be developed that communicate using APPC, Named Pipes, and CICS OS/2.

CP/Workbench is part of the AM family of client/server development tools. It supports the development of AM applications that communicate to a host system using transactions. Transactions and buffers are created, edited, and compiled by the workbench independently of the AM program logic. One transaction can be used in many places in a suite of AM programs so it becomes easy to modify the transaction without changing the program code. CP/Workbench supports transactions using either APPC, Named Pipes or CICS. The server can be OS/2 (for Named Pipes), any machine that supports APPC/APPN or CPIC (for APPC) or a CICS.

Transactions consist of the transaction details (SNA partner, transaction ID synchronization EBCDIC/ASCII conversion and so on) and the input and output buffers. Buffers are defined using a wide range of data types, including decimal, integer, packed-decimal and text. Transaction and buffer information is stored in a central repository (using IBM's Database Manager) and can be accessed by any member of the project team. Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stockholm and Stuttgart.

AM - Hostview/Workbench

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM - Hostview/Workbench

Retail Price: \$3,000 per server

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

The Hostview/Workbench enables graphical OS/2 applications to be developed by clicking on fields on a 3270 screen.

Hostview/Workbench is one of the products in the AM family of client/server development tools. It supports the development of AM applications that front-end existing 3270 or 5250 applications, so-called "screen-renovation" applications. This is a cost-effective way of enhancing the functionality of existing host applications without modifying the host.

Hostview/Workbench is a graphical tool used by programmers to create AM programs. It is run under OS/2 at the same time as the 3270/5250 session, and when fields are needed to be read, updated, or tested, the programmer clicks on the field and the Workbench will generate the appropriate AM program code. On completion, the Workbench generates an AM program containing the appropriate field access code. The programmer then completes the application by adding the new logic and graphical screens. Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stockholm and Stuttgart.

AM Interface CICS OS/2

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM Interface CICS OS/2

Retail Price: \$3000

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

The AM Interface for CICS OS/2 combines AM's rapid development capabilities and ease of programming with the robust performance and security of CICS -- offering secure, high-performance transaction management for client/server applications.

The Interface makes CICS services accessible directly from the client for executing, controlling, and passing data to and from server-based CICS applications. Generating CICS-based client/server systems is easy: data is captured from GUI screen input and validated: the data is then transferred to the CICS communication area; the named transaction is started; and data is sent and received -- all protected by the superior transaction management of the CICS environment. Communications area data buffers can be self-defining or fixed, and are passed and processed to and from AM automatically.

Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stuttgart, Stockholm.

ANSWER:Journey for OS/2

Sterling Software, Applications Dev. Div.

9340 Owensmouth Avenue
Chatsworth, CA 91313

ANSWER:Journey for OS/2

Retail Price: Call

Contact: Bob LeMay, Product Manager

Phone: (818) 716-1616

Fax: (818) 998-2171

Int'l Contact: Bernard Haddad

Int'l Phone: +33 1 4900 1300

Int'l Fax: +33 1 4774 5291

Available: 1994

ANSWER:Journey for OS/2 provides an economical and effective means of making mainframe data accessible throughout the organization. ANSWER:Journey for OS/2 is a data-access tool that operates in conjunction with AMD's mainframe information management-enabling tools to provide a complete information management solution. With ANSWER:Journey for OS/2, you access mainframe data transparently from your desktop computer -- without regard for data and structure or the database management system involved. In fact, you can access data from multiple mainframe databases -- even multiple database management systems -- as if all the information were stored in a single, easy-to-use file right on your desktop. ANSWER:Journey for OS/2 was designed for the business user. It operates through a familiar graphical user interface featuring mouse-driven, point-and-click operations. You do not have to be familiar with information systems technology to perform sophisticated retrieval operations. You can consolidate information from multiple mainframe databases -- extract only the desired records -- and print a report to your exact specifications.

Distributed Application Environment (DAE)

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

Distributed Application Environment (DAE)

Retail Price: \$795-\$3,465

Contact: Lisa Benedetti, Marketing

Phone: (800) DAE-4YOU, (407) 443-6588

Fax: (407) 443-6824

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: May 1, 1989

DAE is a family of tools for developing and running distributed applications in a mixed-platform, mixed-network client/server environment.

Distributed Application Environment (DAE) is a standards-based family of products for building and running distributed client/server applications in mixed platform and network environments. DAE is built on an asynchronous message bus architecture, and includes robust server functions including database, graphical user interface, print, and device, as well as system- and network-management services.

- “ DAE is a robust client/server middleware solution that customers can use today with the confidence that they can adopt evolving standards and technologies without disrupting running applications.
- “ DAE provides for seamless integration between legacy systems and systems based on new standards and technology, for example, between systems including OSF* DCE* and those without.
- “ DAE is currently available for OS/2, DOS, AIX, OS/400, DM and as a service offering supporting NetBIOS, TCP/IP, APPC, MAP and DECnet* networks. It includes tools for seamless interoperation with IBM and non-IBM systems such as CICS, IMS, and others.

Distributed Application/2

IBM Corporation

11000 Regency Parkway
Cary, NC 27512

Distributed Application/2

Retail Price: \$299 US

Contact: IBM Cary Customer Center

Phone: (800) IBM-CARY, (919) 469-7763

Fax: (919) 469-7423

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Distributed Application/2(TM) is a set of APIs that provide a consistent way to access interprocess and network communication functions under OS/2, making client/server applications easy to create.

Distributed Application/2 (DA/2) is a set of application programming interfaces (APIs) that provide a consistent way to access interprocess and network communication functions under OS/2(TM), making client/server applications easy to create. The DA/2 APIs hide the complexity of the supported communications protocols and enable you to select a communications protocol for your application at run time without changing your code. DA/2 supports the following communications protocols: APPC, NetBIOS, and OS/2 named pipes. DA/2 can communicate with CICS and IMS using APPC. The DA/2 APIs have been enabled for C and REXX, or other 32-bit languages supporting C calling conventions.

EiconAPPC Developer's Toolkit for OS/2

Eicon Technology Corporation

2196 32nd Avenue
Lachine, Quebec, Canada H8T 3H7

EiconAPPC Developer's Toolkit for OS/2

Retail Price: \$1,000

Contact: Wendy Shetler, Product Marketing

Phone: (514) 631-2592

Fax: (514) 631-3092

Int'l Contact: Angie Nigro

Int'l Phone:

Int'l Fax:

Available:

This toolkit features a full implementation of the LU 6.2 protocol as defined by IBM. It will communicate with any system, present or future, that supports the APPC standard.

The EiconAPPC Developer's Toolkit for OS/2 facilitates the development of communications applications based on the IBM LU 6.2 protocol. It allows developers to design programs that interact on a peer-to-peer basis with other applications, local or remote, on an SNA network. This includes programs running on other PCs as well as any minicomputers or mainframes supporting APPC. It features a rich set of verbs for constructing distributed processing programs, including basic and mapped conversation verbs, control operator functions and security functions. The EiconAPPC Developer's Toolkit for OS/2 works in conjunction with Eicon Technology's SNA Gateway or InterConnect Server to link remote systems over either SDLC or X.25 lines at speeds of up to 384 kbps, or at LAN speeds to local or remote devices with a direct Token-Ring 802.2 LLC host connection. This toolkit supports multiple sessions between multiple SNA LU 6.2 nodes and the "common PU" feature which permits the same PU to be configured for LU 0, LU 1, LU 2, LU 3 and LU 6.2. Therefore one PU can simultaneously support 3270 sessions and LU 6.2 sessions. This virtually eliminates performance degradation caused by polling.

ENFIN

Easel Corporation

25 Corporate Drive
Burlington, MA 01903

ENFIN

Retail Price: \$5995

Contact: Peter Foster, Mgr., Industry Partnerships

Phone: (617) 221-2100

Fax: (617) 221-3099

Int'l Contact: Ellen Johnson

Int'l Phone:

Int'l Fax:

Available:

Easel Corporation is an industry-leading provider of development tools for building enterprise-wide client/server applications. Easel offers two product lines, ENFIN and EASEL Workbench.

ENFIN for OS/2 is a complete 32-bit, Smalltalk-based, object-oriented development environment for building enterprise-wide client/server solutions. ENFIN's visual development capabilities extend to all phases of application creation, including the design of CUA '91 user interfaces, business graphics, databases (DB2/2, Oracle, SQL Server, etc.), SQL queries, reports, host communications (3270, 5250, etc.), and financial and mathematical models. Corresponding Smalltalk code is automatically generated and, if modified, is easily read back into the visual tools. ENFIN also includes a complete set of object-oriented tools including a class browser with online method documentation. Because ENFIN is a real object-oriented solution, applications can be easily ported to multiple operating platforms (Windows, AIX, HP, UX, etc.). With ENFIN, developers can build applications that support all client/server architectures.

Enterprise Workbench

Easel Corporation

25 Corporate Drive
Burlington, MA 01903

Enterprise Workbench

Retail Price: \$5,995

Contact: Peter Foster, Mgr., Industry Partnerships

Phone: (617) 221-2100

Fax: (617) 221-3099

Int'l Contact: Ellen Johnson

Int'l Phone:

Int'l Fax:

Available:

Easel Corporation is an industry leading provider of development tools for building enterprise-wide client/server applications. Easel offers two product lines, ENFIN and Enterprise Workbench.

Enterprise Workbench is a 32 bit, OS/2-based integrated development environment for building mission critical, enterprise-wide client/server applications. Enterprise Workbench incorporates a suite of powerful visual development tools plus the high-level, event driven EASEL language. EASEL Workbench features powerful tools for user interface design, including a Layout Editor, a Drawing Editor, a WYSIWYG Menu Editor, and an Attribute Editor. The Incremental Compiler allows more flexibility to experiment and quickly test changes. EASEL Workbench offers extensive database support (DB2/2, SAA databases, SQL Server, Oracle, etc.), host protocol support (3270, 5250, VT100, EHLLAPI) and high-level communications support (CICS OS/2, APPC, DDE). DB/Assist is a graphical tool included with Workbench for creating, editing, executing, and viewing the results of SQL operations. Applications developed with Enterprise Workbench can be executed on OS/2, Windows, and DOS. With Easel Workbench, developers can build applications that support all client/server architectures.

FairCom SQL Server

FairCom

4006 W. Broadway
Columbia, MO 65203

FairCom SQL Server

Retail Price: \$445 - \$3,795

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediate

Multi-threaded server offers full range of data accessibility; low-level speed; convenient ISAM level; compatible SQL level. Complete client-side source code. Transaction processing.

FairCom provides configurations for both SQL and non-SQL applications (see separate description.) Both servers are ultra-high performance servers which utilize the widely accepted c-tree Plus Application Programmers Interface. The Faircom SQL Server offers all the features and API of the non-SQL, plus a complete ANSI 1986 level 2 SQL engine. Since both configurations are built using c-tree Plus, applications easily migrate between three operating modes: single-user; multi-user non-server; client/server. FairCom's unique implementation of SQL allows the same executable to access FairCom files using the c-tree Plus low-level API, ISAM-level API, or SQL API simultaneously. Other features include: complete client-side source code; native file-system utilization (increases performance); requires less than 1 MB to run; intermediate save/restore points and complete transaction logging; full commit and rollback; automatic log management; restart and disaster recovery; user passwords; access security; on-line administration and data backup. Available in 5-12 or unlimited user versions.

IBM LAN Management Utilities/2

IBM Corporation

P.O. Box 12195
RTP, NC 27709

IBM LAN Management Utilities/2

Retail Price: \$795 License

Contact: Lori Bush, Technical Marketing

Phone: (919) 543-9304

Fax: (919) 254-5295

Int'l Contact: Harry Powell

Int'l Phone: (919) 254-4900

Int'l Fax:

Available: 10/92

Designed for the LAN Administrator, LMU provides extensive LAN management for IBM LAN Server, and Novell NetWare* LANs with a graphical Interface, scheduling facility, and real-time problem detection.

IBM's LAN Management Utilities/2 relieves LAN Management headaches in an OS/2-based set of services for network and systems management in the enterprise server/requester environment. Now, a single OS/2 workstation can manage both servers and requesters in both IBM LAN Server and Novell NetWare* networks, over either Token-Ring or Ethernet. LMU/2 collects all the information you need to know what's on your LANs. Know the configuration of all managed workstations and servers, what changes have been made, and when. Through the graphical user interface, you can execute commands on faraway servers and workstations, while monitoring workstations status and alerts. Other functions include a powerful scheduling facility, performance management, and real-time problem detection.

IBM Network Transport Services/2

IBM Corporation

11400 Burnet Road
Austin, TX 78759

IBM Network Transport Services/2

Retail Price: \$85

Contact:

Phone: (800) 3IBM-OS2, (800) IBM-CALL

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 11/10/92

Provides the LAN Adapter and Protocol Support and allows workstations with a single network adapter to access servers running both Novell NetWare and OS/2 LAN Server.

- “ Allows OS/2 LANs to act as virtual NetBIOS LANs.
- “ Supports LAN Adapter and Protocol Support (LAPS) via the Network Device Interface Specification (NDIS).
- “ Lets workstations access OS/2 NetWare LANs using a single network adapter.
- “ Reduces programming time by using industry-standard programming interfaces, including IEEE 802.2, IEEE 802.3, IEEE 802.5 and NetBIOS.
- “ Includes the Configuration Installation Distribution (CID) Utility, which allows a network administrator to update and install software on NetBIOS LANs.

IBM TCP/IP Version 2.0 for OS/2

IBM Corporation

4205 South Miami Boulevard
RTP, NC 27709

IBM TCP/IP Version 2.0 for OS/2

Retail Price: \$230

Contact: Betsy Huber

Phone: (919) 254-2770

Fax: (919) 254-4027

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: August 27, 1993

IBM Transmission Control Protocol/Internet Protocol (TCP/IP) Version 2.0 for OS/2* provides new and enhanced TCP/IP functions for the OS/2 environment.

- " Workplace Shell Integration
- " Improved Install Process
- " Configuration Notebook Support
- " C/I/D Enablement - remote install
- " NR2 - Internet News Reader
- " Improved NLS Support for client Telnet and FTP TELNET (ANSI, VT100, VT220, 3270, *5250) FTP - File Transfer SMTP client/server - electronic mail SMTP client/server - User interface - LaMAIL ROUTED/RIP REXEC, RSH - Remote Execution
- " LPR Client/Server Network printing *Drag and Drop *FA outbound

OpenUI

Open Software Associates, Inc.

20 Trafalgar Square
Suite 414
Nashua, NH 03063

OpenUI

Retail Price: \$100 to \$6000 USD

Contact: Graeme Greenhill

Phone: (603) 886-4330

Fax: (603) 598-6877

Int'l Contact: Jennifer Riley

Int'l Phone: +61 3 871 1666 Australia

Int'l Fax:

Available:

OpenUI, the advanced client/server Cross-GUI Development System from Open Software Associates, provides a quick and powerful way to develop the user interface of client/server and stand-alone applications. It drives standard GUIs -- Microsoft Windows and Windows NT, OSF/Motif, Presentation Manager, Apple Macintosh and more. Further, OpenUI drives the same interface on character terminals -- without additional development.

OpenUI is available on the major platforms which support these GUIs, including several varieties of UNIX (HP, DEC, IBM, Sun, SCO, Interactive, and so on) and DEC VAX/VMS.

An OpenUI interface is completely portable. A user interface developed on any one standard GUI/platform can be migrated without redevelopment to any other GUI/platform, with native look-and-feel, because OpenUI actually drives the native GUI environment. And you can write the application program in your language of choice, including COBOL, Pascal, C, C++ and Ada.

OpenUI-Flexibility by Design.

PIPES Platform for OS/2 (SDK)

PeerLogic, Inc.

555 De Haro Street
San Francisco, CA 94107

PIPES Platform for OS/2 (SDK)

Retail Price: \$495

Contact: Sales

Phone: (415) 626-4545, (800) 873-7927

Fax: (415) 626-4710

Int'l Contact: Al Arthur

Int'l Phone:

Int'l Fax:

Available:

PIPES Platform(TM) is a fully symmetrical distributed system supporting both client/server and peer-to-peer application models and spanning every machine in the network to create a unified "virtual" network.

A key component in an overall enterprise network architecture, PIPES Platform manages all aspects of communications on behalf of applications, offering consistent network services across all environments. It is the first middleware product to incorporate asynchronous, object-oriented messaging, a dynamic global-naming service, and transparent support for multiple operating systems and network transports. With PIPES Platform for OS/2, applications can interoperate with those running under DOS, Windows, AIX, SunOS, NetWare 386, MVS, and most other major platforms during 1993. In the same way that database management systems revolutionized access to data, PIPES simplifies the management of all aspects of communications. PIPES provides reliable and uniform access to shared resources, even in highly mixed computing environments. PIPES Platform includes the PIPES API (PAPI(TM)), a library of 12 C-language functions. PAPI entirely shields the developer from the underlying network protocols, significantly reducing the amount of communications code and dramatically accelerating the development process.

Remote Control/2

Compuware Corporation

31440 Northwestern Highway
Farmington Hills, MI 48334-2546

Remote Control/2

Retail Price: Starting at \$5000.00

Contact: Frank Sloodman, Product Manager

Phone: (800) 521-9353, (313) 737-7596

Fax: (313) 737-7108

Int'l Contact:

Int'l Phone: (313) 737-7996

Int'l Fax:

Available: 10/7/93

Remote Control/2 is designed for system and database administrators (DBAs) who are responsible for implementing, configuring, and administering OS/2-based client/server networks across an enterprise.

Remote Control/2 is intended for client/server management in the OS/2 environment. It is designed to provide centralized administration, configuration, and monitoring of networked OS/2 systems, including both client workstations and database servers.

Remote Control/2 address the entire client/server environment, from database to network manager to operating system. From their desks, support staff can access any OS/2 node on the network without having to be at the client or server machine.

For example, integrated file-transfer capabilities make it possible to distribute configuration and job files, as well as to collect log files from remote systems. Also, configuration changes can be implemented through the remote reboot capability.

Remote Control/2 offers the critical tools needed to deploy client/server technology across your enterprise with ease and confidence. It dramatically reduces concerns about control, manageability, and unforeseen costs as your networks rapidly expand. Remote Control/2 can help to:

- “ Reduce system and database support costs
- “ Increase responsiveness to network computing needs

- “ Enhance OS/2 database reliability and application availability
- “ Leverage your existing investment in people and systems

RUMBA for the Mainframe(R) V2.0

Wall Data Incorporated

17769 N.E. 78th Place
Redmond, WA 98052

RUMBA for the Mainframe(R) V2.0

Retail Price: \$495

Contact: Sales

Phone: (206) 883-4777, (800) 48-RUMBA

Fax: (206) 861-3175

Int'l Contact: (Europe) Sales, Wall Data U.K., Ltd.

Int'l Phone: +44 81 813 8188

Int'l Fax:

Available:

RUMBA for the Mainframe provides transparent access to IBM host applications under the graphical interface of OS/2 2.0. RUMBA software is manual-free. Context-sensitive help and intuitive design combine to make RUMBA software easy to learn and easy to use.

Just point-and-click on a RUMBA icon to start up multiple 3270 sessions. Automate long procedures with RUMBA macros. Use the RUMBA Hotlinks feature to create automatic updates between IBM mainframe and OS/2 applications. Execute complex host functions from a RUMBA QuickStep pad or user-defined HotSpot. Change display colors, customize keyboards, transfer files, cut/copy-and-paste information between applications, and more.

RUMBA software supports a wide variety of communications interfaces including: IBM DLC (IEEE 802.2), DFT coax, the Novell NetWare for SAA communications server, the Microdyne Exos (formerly Novell NetWare) SNA Gateway, the RUMBA Gateway System, and various third-party gateways using IBM 3270 Emulation v3.0 NetBIOS protocols.

APIs currently supported include DDE and EHLLAPI. RUMBA software makes use of OS/2 version 2's Workplace Shell, hypertext-oriented help system (IPF), 32-bit processing capabilities, virtual device drivers, and other advanced features.

SYNERGIST

Gateway Systems Corporation

4660 S. Hagadorn
Suite 110
East Lansing, MI 48823

SYNERGIST

Retail Price: \$36,850

Contact: Lynda A. Banghart

Phone: (800) 333-9366, (517) 337-8960

Fax: (517) 337-2868

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 12/92

SYNERGIST is a cooperative processing client/server development tool that integrates PCs with host computers. The "host" can be an OS/2 system or other industry-standard system from IBM, DEC or HP. It can be used to develop online, transaction-based applications. It enables the development, testing, compiling, and execution of an application to be performed on a PC. All applications execute on the PC accessing a host and/or PC database. Transfer of data between host and PC is performed through a synchronized processing environment. Other execution environments include cooperative, stand-alone/network and synchronized processing. A few of the major modules which permit easier application development include Dictionary, Forms Generator, and Forms Compiler. Reports can be generated from the PC when the database is PC-resident, or when the host database elements have been downloaded to the PC. Features include pop-up windows, lists, tables, conditional displays, and redefinable function keys.

TP Tools/2

ERGIE S.A.

1, rue Nicolas Copernic
Arles, France 13200

TP Tools/2

Retail Price:

Contact: François Marc Levointurier-Vajda

Phone: +33 90184424

Fax: +33 90498325

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 3/93

Useful for C-based client/server or standalone applications development. Allows Static and Dynamic PM Screen Building, Printing (models), Data Access (SQL), Transactions (scenarios), Communications.

TP Tools/2 is architected as an engine using services modules for Client/Server and Teleprocessing general purpose, such as PM Screen Dynamic and Static Management, Printing Models, Data Access, and Communications.

The method of TP Tools/2 is based on rules interpretation. Those rules are described in files such as Scenario Files for Transactions, Model Files for Printing, and Map Files for PM Screen Management. Furthermore, customer-based rules can be interpreted by the engine to dynamically generate a PM Screen.

The Rules Files can be easily handled by customers without regard to their development knowledge, so that maintenance and evolution are very easy.

WinMgr/PM

Dialog Software GmbH

Rosengartenplatz 7
68161 Mannheim, Germany

WinMgr/PM

Retail Price: \$2000

Contact: R.J. Huy

Phone: +49 621 126161

Fax: +49 621 1261 644

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Development tool for client/server applications that handles PM input/output.

WinMgr/PM provides an easy-to-use interface for developing stand-alone or client/server applications on local or wide area networks (using TCP/IP). It provides interfaces to the following languages: C, REXX/2, and Komet/PM (refer to our description of Komet/PM'), but the open design enables the use of any other programming language.

WinMgr/PM can handle all the OS/2-PM user input/output, so that your applications have only to react to a minimum set of events.

XAM/OS2

Syzygy Communications Inc.

269 Mt. Herman Road
Scotts Valley, CA 95066

XAM/OS2

Retail Price: \$1,500

Contact: Kurt Ziegler

Phone: (408) 439-6838

Fax: (408) 438-5115

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

XAM/OS2 software provides a convenient way to transparently exchange files among remote OS/2 and DOS workstations, LANs and AS/400s.

XAM/OS2 is easy to install, and a fast, efficient, and reliable way to transfer data files and transactions across an SNA network, or through one or more AS/400s. XAM/OS2 is a queued message service that uses IBM's CPI-C network interface to establish conversations with remotely located XAM/OS2, XAM/DOS and XAM/AS service agents.

XAM/OS2's queued messaging approach to file transfer provides around-the-clock service and automatically recovers from link failures to guarantee data integrity. Data distribution, data collection, and file transfer applications are implemented by merely pointing to different libraries. Placement of XAM/OS2 on a Novell NetWare LAN enables the transfer of files among remotely located OS/2, DOS, Windows, Mac and UNIX workstations.

The XAM/OS2 service agent uses OS/2 CM/2 or Extended Edition for connection. Connectivity includes Token Ring or Ethernet adapter, AS/400 Twin-ax, or IBM 5494 controller port, or an SDL-C adapter to an SNA network.

XDB-Server for OS/2 2.0

XDB Systems, Inc.
14700 Sweitzer Lane
Laurel, MD 20707

XDB-Server for OS/2 2.0

Retail Price: \$2,495 - 5 user

Contact: XDB Regional Manager

Phone: (301) 317-6800, (800) 488-4948

Fax: (301) 317-7701

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 1993

XDB-Server for OS/2 2.0 is a 100% DB2-compatible, high-performance, 32-bit, multi-user database system for LANs.

The XDB-Server for OS/2 2.0 is a 32-bit, high-performance, multi-user database system that brings the power and integrity of mainframe database systems to LANs. The XDB-Server for OS/2 2.0 is based on client-server technology and provides 100% DB2 compatibility including transaction processing, referential integrity, record-level locking, rollback and recovery, distributed database access, as well as other DB2 features. With the XDB-Server for OS/2 2.0 you can develop your DB2 mainframe applications on the desktop without a major rewrite. The XDB-Server has been engineered to take full advantage of the advanced capabilities of IBM's OS/2 2.0 to achieve the highest possible performance. The multi-threaded system delivers fast response times and high user capacity. XDB-Server's 32-bit implementation gives you improved memory management. Any of XDB's development, 4GL, or query tools can act as clients to the XDB-Server for OS/2 2.0. In addition, XDB's open architecture allows many independent software vendors to interface their products to the XDB-Server for OS/2 2.0.

4OS2

JP Software, Inc.

P.O. Box 1470

E. Arlington, MA 02174

4OS2

Retail Price: \$69.00

Contact: Sales

Phone: (617) 646-3975, (800) 368-8777

Fax: (617) 646-0904

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

4OS2/32-bit provides a friendly and powerful alternative to standard OS/2 commands, offering enhancements and batch file improvements to make command line work simple and enjoyable.

4OS2/32-bit is a complete, fully compatible replacement for OS/2's default command-processor, CMD.EXE. It is designed to assist both novice users and experienced OS/2 users with getting the most out of OS/2. Features such as command-line editing, point-and-shoot file selection, and pop-up window or command-line history recall make work easier for the many tasks where the command line is the best tool to use. In addition, there are OS/2-specific enhancements, like the ability to minimize or maximize the 4OS2 window at startup, and an enhanced START command with a wide variety of options for starting applications. 4OS2 also includes full support for OS/2 features like the High-Performance File System, and standard OS/2 commands like DETACH and DPATH. For experienced batch programmers and PC managers, 4OS2 permits complete customization of the command-line environment. Command-line aliases allow the user to customize OS/2 and create new commands, while keystroke aliases execute any command or command sequence with a single keystroke. New batch commands allow block-structured logic, prompted user input, and box- and line-drawing for simplified batch programming and menu creation. Regardless of your level of expertise, you can't achieve the maximum benefits of the OS/2 environment without the aid of one of the most useful OS/2 utilities ever written: 4OS2.

Acumate(TM) Enterprise Solution

Kenan Technologies

One Main Street
Cambridge, MA 02142-1517

Acumate(TM) Enterprise Solution

Retail Price: \$3,000 per seat

Contact: Teresa Wingfield, Sales Development

Phone: (800) 775-3626, (617) 225-2224

Fax: (617) 225-2220

Int'l Contact: Marion O'Neill

Int'l Phone: +44 71 224 1840

Int'l Fax:

Available: 10/93

Acumate(TM) Enterprise Solution is an Executive Information and Decision Support System based on Multiway(TM), the industry's most powerful multidimensional database. Features include an advanced client/server architecture, object-oriented programming, and easy-to-use tools for integration, configuration and analysis.

Acumate(TM) Enterprise Solution (ES) Version 1.0 is a premier Executive Information and Decision Support System. Built around Multiway, a multidimensional database and robust 4GL, Acumate ES offers significant technical advancements and enhanced ease of use for diverse users. Acumate ES's multidimensional technology allows users to reach beyond the two-dimensional limits of spreadsheets and relational databases so that decision makers can frame data to accommodate their business questions. True client/server capabilities, object-oriented programming and instructional on-screen "co-pilots" facilitate data configuration and sophisticated analysis, bringing Acumate ES to the forefront of a new class of data access and analysis tools. Acumate ES reads data from any source across the enterprise, including: relational databases, spreadsheets, flat files, text reports, proprietary packages, and other legacy systems. Then it sorts the data in a multidimensional format optimized for intensive data browsing. Analytical tools give business users the ability to leverage this data -- through forecasting, business modeling, and exception highlighting -- to provide user-defined information on demand.

AccSys for dBASE

Copia International, Ltd.

1342 Avalon Court
Wheaton, IL 60187

AccSys for dBASE

Retail Price: \$495; \$1195 with Source

Contact: Christine Fitzgerald, Sales

Phone: (708) 682-8898

Fax: (708) 665-9841

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 7/12/93

AccSys for dBASE enables programmers to create and/or update all dBASE III and IV file types. AccSys's interface between C or VisualBasic and dBASE provides full support and control over DBF files, MDX and NDX index files, and DBT memo files. AccSys for dBASE can also handle the DBF, NDX and DBT files of dBASE III PLUS. Applications that work under various environments such as DOS, DOS Extenders, Windows (DLL), and OS/2 may also be developed. Supports Clipper and FoxPro. Multi-user (network) capabilities automatically provide complete file- and record-locking compatibility with dBASE IV and dBASE III PLUS. Examples included with source code. No run-time royalties.

Compilers supported: C (Borland C and C++, Microsoft C, WATCOM). Hard disk recommended. Specify 5.25" or 3.5" diskettes. Full 60-day guarantee.

AccSys for Paradox

Copia International, Ltd.

1342 Avalon Court
Wheaton, IL 60187

AccSys for Paradox

Retail Price: \$495; \$1195 with Source

Contact: Christine Fitzgerald Sales

Phone: (708) 682-8898

Fax: (708) 665-9841

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 6/18/93

AccSys for Paradox provides quick and easy access to Paradox data files. A seamless interface between C, QuickBASIC, or VisualBasic and Paradox, AccSys offers total control over Paradox table files, primary and secondary index files. Applications that work under various environments such as DOS, DOS Extenders, Windows (DLL), and OS/2 may also be developed. The programmer can construct standalone programs using AccSys for Paradox. Multi-user (network) capabilities automatically handle the network control file and lock files. Examples included with source code. No run-time royalties.

Compilers supported: C (Borland C, Microsoft C, Zortech, WATCOM). Version available for QuickBASIC. Hard disk recommended. Specify 5.25" or 3.5" diskettes. Full 60-day guarantee.

ADABAS Server for OS/2

Software AG of North America

11190 Sunrise Valley Drive
Reston, VA 22091

ADABAS Server for OS/2

Retail Price: \$500

Contact: Tony Cook, Director, Workstation

Phone: (703) 860-5050, (800) 423-2227

Fax: (703) 391-6975

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 12/92

ADABAS Server for OS/2 brings Software AG's premier database-management system to the workstation. This 32-bit implementation highlights ADABAS's well-known strengths of handling both high transaction volumes and complex ad hoc queries, while operating against large volumes of data. The ADABAS Server is well positioned for many types of applications, both strategic and operational.

AM - SQL/Workbench

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM - SQL/Workbench

Retail Price: \$8,400 (per server)

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: 44 932 772266

Int'l Fax:

Available:

The AM SQL/Workbench enables graphical OS/2 applications to be developed that access IBM's SAA databases.

SQL/Workbench is one of the products in the AM family of client/server development tools. It supports the development of AM applications that use static SQL to IBM's SAA databases. SQL statements are created, edited and compiled by the Workbench independently of the AM program logic. One SQL statement can be used in many places in a suite of AM programs, so it becomes easy to modify the SQL of an application without changing the program code. This enables the experience of a database expert to be applied to the SQL design, normalization, security and performance issues without involving the programmer or changing the programs.

The SQL/Workbench allows SQL statements to be entered, edited, tested and compiled. The Workbench has full SQL-prompted input, testing with formatted output, and a version-control system organized by project, project team members, and project phase. SQL statements are stored in a repository (using IBM's Database Manager or DB2/2) that can be accessed by project team members across a LAN. Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stockholm and Stuttgart.

CommonBase

ImageSoft, Inc.

2 Haven Avenue
Port Washington, NY 11050

CommonBase

Retail Price: \$1,000

Contact: Sales

Phone: (516) 767-2233, (800) 245-8840

Fax: (516) 767-9067

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CommonBase is the popular C++ class interface for developing portable applications for ISAM and SQL databases.

CommonBase offers application portability across databases. The CommonBase classes provide familiar database objects and use standard vendor-provided interfaces such as C API, embedded SQL, and direct file manipulation. CommonBase includes a C++ class interface on top of the programmable interface of the database with a C++ look-and-feel, no back-door implementations, transparent data types, and an ability to kick down to the underlying API to exploit specific database features. Key benefits of Commonbase-developed applications are: portability across database applications, no hard-coding table definitions at compile time, high-performance database operations, and support for BLOB data.

Concordance Information Retrieval System

Dataflight Software

2337 Roscomare Road
Suite 11
Los Angeles, CA 90077

Concordance Information Retrieval System

Retail Price: \$495 - \$3,000

Contact: Sales Dept.

Phone: (800) 421-8398, (310) 471-3414

Fax: (310) 471-5294

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Concordance is an easy-to-use text database management system designed to support full text applications on microcomputers. It provides direct and immediate access to information by allowing people to search for any word or phrase, or combination of words and phrases, contained in its databases. Concordance is designed for researchers, marketing personnel, office workers, business people, attorneys, and others who rely on what they know to get their jobs done.

Access is provided with easy pull-down menus, on-line context-sensitive help, and clear documentation that addresses all levels of user sophistication. An applications-development language is available for advanced users who want to create custom menus and programs. Features include query save and reply, query review, highlighted browsing, global search and replace, integrated editor, on-line dictionary, and wild-card searching. It loads data from delimited ASCII files, text files, and IBM STAIRS databases.

C-tree Plus(R) File Handler Version 6.0e

FairCom

4006 W. Broadway
Columbia, MO 65203

C-tree Plus(R) File Handler Version 6.0e

Retail Price: \$595

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediate

High-performance data management. Royalty-free. Complete source code. Unparalleled portability. ISAM routines; transaction processing; Variable-length records, record-locking optional client/server model.

Based on the most advanced B+tree routines available today, C-tree Plus gives you unprecedented control over your file management needs. With unparalleled sophistication, C-tree Plus has established itself as the premier choice for commercial development. Use the low-level routines or take advantage of the high-level ISAM routines for high-speed random or sequential access. C-tree Plus is distributed in complete C source code and has been ported to over 100 environments. It is royalty-free. Designed for single-user, multi-user or client-side application development. Transaction processing is included in C-tree Plus, as well as features like: fixed/variable length records and keys; file-level alternate collating sequence; duplicate keys and/or automatic sequence numbers; native operating system I/O utilization for maximum portability; dynamic space reclamation; high-speed hashed data and index caching, multiple simultaneous sets/batches, resource records superfiles, much more. Full ISAM functionality. All functions are fully ANSI prototyped. Call for a complete list of features.

dbfLIB

dSoft Development, Inc.

4710 Innsbruk Drive
Houston, TX 77066

dbfLIB

Retail Price: \$195

Contact:

Phone: (713) 537-0318

Fax: (405) 360-3045

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Released 11/92

dbfLIB is a C programmer's API library for accessing dBASE data files and indexes. Includes libraries for DOS, Windows, OS/2 1.3, and OS/2 2.0. Also includes royalty-free dynamic link libraries (DLLs) for Windows, OS/2 1.3 (16-bit), and OS/2 2.0 (32-bit).

dbfLIB provides a consistent set of APIs across DOS, Windows, and OS/2 platforms. This allows you to develop new DOS, Windows, and OS/2 applications that can share dBASE files with dBASE programs currently in use, as well as other programs that use dBASE files. This can all be done without migrating megabytes of dBASE files to another database environment.

FairCom Server

FairCom

4006 W. Broadway
Columbia, MO 65203

FairCom Server

Retail Price: \$295 - \$2495

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediately

Multi-threaded server offers full range of data accessibility; low-level speed; convenient ISAM level; compatible SQL level. Complete client-side source code. Transaction processing.

Originally introduced in 1988, the FairCom Server is based on client/server architecture. This allows data to be more available while ensuring that a system can evolve as needs change. Client/server systems are open and modular, therefore systems can be tailored to particular application requirements, leaving the choice for cost-effective hardware options open. Coupled with C-tree Plus' unparalleled portability and proven performance, FairCom Servers meet even the most demanding application requirements. FairCom Servers are multi-threaded by design, allowing previously unused time spent waiting for locks and I/O operations to be used processing requests from other users. Additionally, these servers incorporate new indexing technology which allows a very high level of concurrency among clients without jeopardizing data integrity. Page locks are not performed; read locks are not required; extensive "anti-deadlock" detection/resolution; sophisticated caching/index compression reduce I/O; transaction processing on three levels; extensive data availability/security; client-side source. Also available in SQL configuration.

herCules 3.1

Machine Independent Software Corporation

491 B Carlisle Drive
Herndon, VA 22070

herCules 3.1

Retail Price: \$250

Contact: Seth Kortzberg

Phone: (703) 435-0413

Fax: (703) 437-8640

Int'l Contact: Wilhelmine Stordiau -- APIS Software

Int'l Phone: +49 69 303 906

Int'l Fax:

Available: 01/11/93

herCules 3.1 is a portable Database with Client/Server architecture. herCules can read or write Clipper, Foxbase and dBase indexes.

herCules is available for most operating systems. It supports: OS/2 (16-bit and 32-bit), Windows 3.*, Windows NT, DOS and UNIX. herCules includes libraries and shrouded source code. The documented source can be purchased separately. herCules is available for networks or client/server architecture. It supports TCP/IP, NetBIOS, SPX/IPX, and Named Pipes. An NLM-server can be purchased separately. Applications may be developed royalty-free with the purchase of a complete herCules development system. herCules has fast data access, and developed applications are small. herCules supports the database, memos and index formats of dBASE III, dBASEIV, Clipper and Foxbase. herCules offers a sophisticated C++ interface. The report generator is simple and fast, and in client/server mode, reports may be executed on the server remotely. herCules supports full 32-bit under OS/2. With herCules SQL, you can use the full ANSI Level II SQL commands. ESQL and dynamic SQL is supported.

IBM DATABASE 2 OS/2 (DB2/2) Version 1

IBM Corporation

895 Don Mills Road
North York, Ontario, Canada M3C 1W3

IBM DATABASE 2 OS/2 (DB2/2) Version 1

Retail Price: SU = \$425. MU = \$2,495

Contact: Phyllis Prewitt, Manufacturer Rep for US

Phone: (800) 31BM-OS2, (404) 835-8007

Fax: (404) 835-7797

Int'l Contact: Guy St. Louis

Int'l Phone: (416) 448-2059

Int'l Fax:

Available: May '93

DB2/2 is a 32-bit relational database for use in single-user or client/server LAN database configurations. DOS, Windows, and OS/2 application clients are supported.

To meet the needs for a fully featured database in today's client/server computing environment, IBM introduced DATABASE 2 OS/2 (DB2/2). Among its features, the DB2/2 product provides referential integrity, database administration tools, on-line backup and a query tool.

The product's 32-bit capability leverages the 32-bit hardware architecture, providing the user with performance. DB2/2 provides the desktop user with a powerful desktop database and, when used as the database server within the LAN, it allows DOS, DOS/Windows and OS/2 applications access to the database system. In addition, a complementary product, Distributed Database Connection Services/2, provides the gateway to host-based information stored in DRDA-compliant databases such as SQL/DS, SQL/400 on OS/400, and DB2 on MVS.

IBM DataHub(TM)

IBM Corporation

555 Bailey Avenue
San Jose, CA 95161-9023

IBM DataHub(TM)

Retail Price: Configuration Dependent

Contact: Alvin Easter, Manufacturer's Rep

Phone: (800) 426-4785, (408) 463-2053

Fax: (800) 426-4522, (408) 463-2629

Int'l Contact: Pierre Ibrahim

Int'l Phone: (408) 463-2377

Int'l Fax:

Available: 6/25/93

IBM DataHub manages database tasks across multiple platforms, brings enterprise data to the desktops of knowledge workers, and provides a platform for integrating tools from IBM, other vendors and customers.

IBM DataHub is designed to meet the challenges of managing complex database environments while increasing productivity and saving costs. DataHub provides a set of integrated database management functions for relational databases across five SAA platforms. These functions significantly simplify the tasks of database administrators, help-desk personnel, systems programmers, and application programmers in distributed as well as centralized database environments. DataHub functions address database systems management tasks in all areas of operation. DataHub supports the achievement of customer business objectives through:

- a designated OS/2 workstation control point that provides a consistent object-based graphical user interface
- automatic handling of many of the differences between the relational database management systems
- seamless invocation of tools using object-action orientation
- ability to copy database objects from one relational database to another.

DataHub's integration platform provides developers with a set of common services on both workstation and host that reduce development effort and promote

consistency among products. A Tool Builder's Guide and Reference is available.

INGRES Query and Reporting Tools

The ASK Group

1080 Marina Village Parkway
Alameda, CA 94501-1041

INGRES Query and Reporting Tools

Retail Price:

Contact:

Phone: (800) 4-INGRES, (510) 769-1400

Fax: (510) 748-2545

Int'l Contact: International Region

Int'l Phone: +44 71 416 7770

Int'l Fax:

Available:

The INGRES(TM) family of products includes a comprehensive package of integrated query and reporting tools for all levels of user expertise. INGRES decision-support tools help you get to the information you need quickly.

INGRES offers the following menu-driven tools for querying and reporting:

- " INGRES/Menu, to provide easy access to other INGRES Tools
- " INGRES/Query-By-Forms (QBF), a forms-based, fill-in-the-blank approach to querying and updating the database
- " INGRES Interactive SQL (INGRES/ISQL), for interactive, menu-driven access using SQL commands
- " INGRES/Report-By-Forms (RBF), an easy, forms-based way to create comprehensive ad hoc reports
- " INGRES/Report-Writer, for more complex report-writing requirements

All these tools share a common set of visual interfaces to minimize the need for user training. Once you know one tool, you can rely on the same set of rules for all the others.

KIM 386/1.0

EDV-Büro Kohlenbach

Hauptstr.5
90547 Stein, Germany

KIM 386/1.0

Retail Price: 398.-DM

Contact: Software Gibson, KIM

Phone: +49 9116887260, +49 9183 40052

Fax: +49 9116887260, +49 9183 242

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Integrated developer environment to build powerful database applications with a BASIC-similar language. Includes dBASE converter and free runtime module. Fast B-tree/ISAM database.

Database development system with powerful BASIC-similar programmer language. The database comes from the UNIX platform. KIM is a fast 32-bit interpreter. The language includes commands for screen design, mouse usage, database management, string and array manipulation, and menu system. The database uses fixed-length fields. All indices for a database are stored in a single file. One database can store up to 12 billion records. Programs can be ported from DOS to OS/2 (text mode only) by changing the interpreter. A runtime module is available. Programs can be tested and debugged without the programmers having KIM editors.

Komet/PM

Dialog Software GmbH

Rosengartenplatz 7
68161 Mannheim, Germany

Komet/PM

Retail Price: \$4000 without notes engine

Contact: R.J. Huy

Phone: +49 621 12 61 61

Fax: +49 621 12 61 644

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Development tool for database systems.

Komet/PM is a professional database development tool which enables you to handle many database formats. The language is similar to C and is supported through an object-oriented prototyper. Komet/PM supports DB/2, Notes, Index, and Btree databases with powerful commands which will be precompiled to ANSI-C. Because of the modular design, it's easy to integrate additional database drivers for a wide variety of database management systems.

Komet/PM will be delivered with WinMgr/PM (refer to "WinMgr/PM").

ObjectStore(TM)

Object Design, Inc.

One New England Executive Park
Burlington, MA 01803

ObjectStore(TM)

Retail Price: \$3,500

Contact: Sales

Phone: (800) 962-9620, (617) 674-5000

Fax: (617) 674-5010

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/93

ObjectStore is a high-performance, object-oriented database (ODBMS) for storing all types of data. Includes interfaces for C Set ++ and full DBMS capability.

ObjectStore, the leading object-oriented database management system, is a high-performance database for storing complex data structures and non-record-oriented information. ObjectStore is the only database that allows you to store and distribute any type of information your business creates.

ObjectStore is suited for a wide range of complex applications, including: CAD, CASE, publishing, multimedia, office automation, medical imaging and document management, GIS, simulation and modeling. Industries as diverse as automotive manufacturing, software development, health care, and office automation are using ObjectStore.

ObjectStore features distribution and transaction management for concurrent access to objects among members of a workgroup, and state-of-the-art database functions such as data integrity, version control, query processing, and a complete multi-client/multi-server architecture. ObjectStore provides a transparent interface designed for popular C and C++ programming environments including C Set ++, an easy migration path for C applications, and an interactive browser to inspect objects and object descriptions.

ONTOS DB 2.2

ONTOS, Inc.

Three Burlington Woods
Burlington, MA 01803

ONTOS DB 2.2

Retail Price: \$6,600

Contact: Sales

Phone: (617) 272-7110, (800) 388-7110

Fax: (617) 272-8101

Int'l Contact: ONTOS UK

Int'l Phone: +44 81 750 5501

Int'l Fax: +44 81 750 5601

Available:

ONTOS, Inc., is a leading worldwide supplier of object-oriented database systems. The company is privately held and has sales offices in the U.S., a subsidiary in the U.K. and distributors in Europe, Japan, South America, and Taiwan.

ONTOS, Inc. develops, markets and supports ONTOS DB, a full-featured, distributed object database management system (ODBMS), and ONTOS R.O.A.D. tools, a suite of application development tools. Tools include ONTOS Studio, a front-end development tool; ONTOS DBDesigner, a graphical database design and browsing tool; ONTOS Object SQL, a standard SQL with object extensions; and DBA Tool for administering and managing distributed databases.

The unique open, extensible architecture of ONTOS DB provides flexibility to address performance-sensitive, complex modeling applications such as multimedia, network management, telecommunications, engineering design, manufacturing, CASE, computer-aided publishing, geographic information systems, and financial modeling. ONTOS DB is tightly integrated to standard C++ and supports an object SQL interface. ONTOS is the only object database available on OS/2 and is also available on UNIX platforms including Sun, IBM RISC/System 6000, HP/Apollo, HP 9000/700, DECstation and SCO UNIX. ONTOS Customer Support & Services Organization offers a complete range of consulting services, training courses, and direct customer support.

OpenBooks

OpenBooks Software, Inc.

95 Hayden Avenue
Lexington, MA 02173

OpenBooks

Retail Price: Call

Contact: Sales

Phone: (617) 860-8300

Fax: (617) 860-8399

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Dec. 1991

OpenBooks is a client/server end user query, analysis, navigation and reporting system for accessing data in SQL Server, DB2, Oracle and Sybase databases.

OpenBooks is client/server software for intelligent database access for business analysis. OpenBooks will enable users to query, analyze, report, and access data from multiple database servers. OpenBooks strengths include powerful data browsing, "drill down" and "aggregate up" analysis, all within a graphical, intuitive interface. Users do not need to be database experts or programmers. OpenBooks' object-oriented approach allows business analysts to create objects or business models which describe the relationships between data and the information end users need, in terms which are familiar to them. OpenBooks has the following components: Object Engine for automated SQL query generation; ObjectCatalog for definition, analysis and presentation of data in business terms; object editor; forms generator; and hyperdata links. OpenBooks runs on both Windows and OS/2 clients and SQL Server, DB2, Oracle and Sybase databases.

Oracle7 Server for OS/2 v2.0

Oracle Corp.

500 Oracle Parkway
Redwood Shores, CA 94065

Oracle7 Server for OS/2 v2.0

Retail Price: \$3,699-\$7,999

Contact: Sales

Phone: (800) ORACLE-1

Fax: (415) 506-7224

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Oracle7 Server for OS/2 brings the power and functionality of Oracle7 Cooperative Server Technology to your corporate networks.

Oracle7 Server for OS/2 provides the same Oracle relational database management system (RDBMS) that runs identically on over 80 distinct hardware and operating system platforms. So, regardless of your current computing configuration, Oracle7 Server for OS/2's portability lets you scale your client/server system horizontally by adding low-cost servers to your enterprise networks as your computing needs grow. And because of OS/2's ease of use, you minimize equipment requirements, overhead, and training costs.

An authority in client/server computing, Oracle has developed Oracle7 Server for OS/2 to leverage your software expertise and hardware investment in OS/2 to create powerful client/server database systems that operate on your company LANs. The combination of Oracle7 RDBMS and OS/2 2.x ensure high performance for both transaction-processing and decision-support applications. Additionally, because of its multiprocess architecture, Oracle7 Server for OS/2 delivers high performance even under extreme load conditions. As a 32-bit application, Oracle7 Server for OS/2 utilizes the performance-boosting features of OS/2 2.x to provide greater power than other 16-bit database products.

PARTS Relational Database Interface

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

PARTS Relational Database Interface

Retail Price: \$995

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available:

The PARTS Relational Database Interface(TM), a companion product to PARTS Workbench, allows you to create graphical client/server applications that leverage the power of SQL databases. ANSI-standard SQL and SQL extensions are supported for each database.

The PARTS Relational Database Interface supports the following databases: Microsoft/Sybase SQL Server, Oracle, IBM DB2/2, IBM DB2 through the MicroDecision Ware gateway, IBM DB2, OS/400 and SQL/DS through the IBM DDCS/2 gateway, IBM Extended Services Database Manager, Gupta SQLBase, dBASE III Plus, dBASE IV, Novell NetWare SQL Databases, XDB Database Management System, Btrieve, Excel files and text files.

For development of new applications, you can interconnect visual and non-visual parts from the PARTS Workbench. Graphical client/server applications can be built using a complete set of Common User Access (CUA) tools that leverage SQL database power.

- " Scrolling forward and backward in query results
- " Create and save custom SQL statements with parameters
- " Format query results as forms
- " Format query results as tables
- " Transaction processing features

The PARTS Relational Database Interface allows you to create graphical front-end applications that work independently of the database they access. This architecture makes it easy to create client/server applications that are portable

across different databases.

PLATEAU

GENESIS

Lannerweg 9
A-9201 Krumpendorf, Austria

PLATEAU

Retail Price: Call

Contact: Siegfried Gieschilz

Phone: +43 4229 2812

Fax: +43 4229 2847

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1Q 1994

PLATEAU is the development platform for independent, flexible and individual software solutions under OS/2. It can be used as a front-end development kernel, a platform of subsystems, or a modular tools library.

PLATEAU (PLAtform for Tools & Environments for Applications Use) was conceived for simple application development in front- and back-office environments. The PLATEAU kernel lets you develop your application without having to program the user interface, system control and data administration. PLATEAU environments are subsystems that you can add to your computerized environment as independent, but compatible components. PLATEAU Tools offers you a selection of ready-to-use interfaces to hardware (printer, host, ...) and software (databases, word processing,...). You have the freedom to select exactly what your company needs from our large range of products. Using PLATEAU will improve the efficiency and productivity of your work, because the development timescale and the maintenance effort for your application will be minimized.

POET

POET Software Corporation

4633 Old Ironsides Drive
Suite 115
Santa Clara, CA 95054

POET

Retail Price: Starting from \$595

Contact: John Hutchinson, Dir. of Sales

Phone: (408) 970-4640, (800) 950-8845

Fax: (408) 970-4630

Int'l Contact: POET Software (Hamburg, Germany)

Int'l Phone: +49 40 609900

Int'l Fax: +49 40 6039851

Available: Shipping

POET as an object-oriented database system for C++ enables software developers to program at the object level.

POET is a 32-bit OS/2 2.0 portable object-oriented database system that provides powerful load, store and query capabilities based on a proven technology. POET increases programmer productivity by eliminating the translation required when moving data between object-oriented applications and file-oriented database systems based on the relational model. Applications written with POET remain object-oriented, so code is reuseable, maintainable and extendible.

The client/server version of POET includes object-locking, nested transactions, and event-handling features that are important to workgroup computing. Event-handling, for example, includes watch and notify facilities. These facilities monitor all stored database objects, and automatically update shared objects whenever a user makes a change. This avoids the typical problem where users can inadvertently incorporate outdated shared objects into their work.

The POET development environment contains a rich set of data types that include all of the standard C++ data types, a time, a date, a variable-length string, and now a BLOB (Binary Large Object) type. The POET Type Manager allows developers to create new data types in an efficient and type-safe manner. The Type Manager enables developers to extend the range of data types their applications can store, retrieve, query and sort. For example, a roman-numeral data type could be created to allow your POET programs to automatically sort and query roman-numeral data types.

Q+E Database Library

Q+E Software

5540 Centerview Drive
Suite 324
Raleigh, NC 27606

Q+E Database Library

Retail Price: \$699

Contact: Q+E Sales

Phone: (919) 859-2220, (800) 876-3101

Fax: (919) 859-9334

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: November 1993

Q+E Database Library provides your database access solution. Build DBMS-independent client server applications.

Q+E Database Library provides OS/2 developers with a powerful ODBC-compliant client server development tool. It is the ONLY way available to develop ODBC-compliant applications for OS/2. It is fully 32-bit.

Q+E Database Library's high-level API allows you to create ODBC-compliant applications in a fraction of the time it takes with the ODBC SDK. Future releases of Q+E Database Library will automatically make these same applications IDAPI-compatible.

Use Q+E Database Library to develop powerful client/server applications that work with all major databases. Put world-class applications in your user's hands quickly by writing code once to access all major databases. You can even prototype and test with one DBMS and deliver against another.

Q+E Database Library works with the tools you already have. It works with the macro, script, or programming language of any application or development tool, including C, COBOL, and Pascal.

R:BASE 4.5 for OS/2

Microrim, Inc.

15395 S.E. 30th Place
Bellevue, WA 98007

R:BASE 4.5 for OS/2

Retail Price: \$795

Contact: Bonnie Meyer, Corporate Sales Manager

Phone: (206) 649-9500, (800) 628-6990

Fax: (206) 746-9438

Int'l Contact: Shawn Schaefer

Int'l Phone: (206) 649-2717

Int'l Fax:

Available:

R:BASE 4.5 for OS/2 is the leading relational database for 32-bit, multi-user processing. It includes an embedded 4GL programming language incorporating ANSI Level 2 SQL, powerful tools, pull-down menus and dBASE file support.

R:BASE 4.5 is the only file server-based RDBMS designed specifically for the 32-bit architecture of the OS/2 environment. R:BASE has long established itself as the developer's choice for relational databases for DOS, and now it brings to OS/2 secure multi-user processing including concurrency control for simultaneous edits of the same record, and commit and rollback of transactions. Using R:BASE makes the creation of databases, forms and applications easy with a variety of menus of helpful prompts, pick lists, dialog boxes, and condition builders. The embedded 4GL programming language includes a full integrated implementation of ANSI Level 2 SQL, and allows the user to call up screens of sample syntax to help phrase a command. Create powerful SQL queries with Query-By-Example. Determine the precise location and circumstances of programming errors with the interactive debugger that includes the ability to manipulate watch variables and breakpoints. Supporting dBASE files is easy. By attaching a dBASE file to an R:BASE database, you can work with data from the dBASE file as you would data in an R:BASE table. Microrim's developer agreements with Intel, IBM, and Novell ensure advanced-quality products for a wide range of application possibilities, such as the R:BASE engine for custom application development that incorporates SQBC. Also available are a 16- and 32-bit DOS version, network packages for DOS and OS/2, the R:BASE Crystal Reports for Windows, and several tool packages.

SQLBase(R)

Gupta Corp.

1060 Marsh Road
Menlo Park, CA 94025

SQLBase (R)

Retail Price: \$400 - \$9,995

Contact: Sales

Phone: (415) 321-9500, (800) 876-3267

Fax: (415) 321-5471

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SQLBase is a full-function SQL database server for PC networks. It is optimized to deliver high-performance, on-line transaction processing (OLTP) to graphical client applications on networked PCs.

SQLBase's standard automatic crash recovery, password protection, on-line backup, remote monitoring, and diagnostic tools duplicate features found on minicomputers and mainframes, but at a fraction of the cost. Multiple users can simultaneously perform data entry, browse between PC front-end applications and multiple sets of data records, and do background reporting at any time while data is being updated.

SQLBase is fully optimized for graphical client applications, yet compatible with minicomputer and mainframe databases such as Oracle and DB2, making it useful at every level of the enterprise. SQLBase is also a "PC-centric" database server that is simple to use and install. Unlike database servers that originated in the minicomputer world, SQLBase was designed and built from the ground up to meet the needs of PC users in client-server and cooperative processing environments. It's an excellent "data-staging" server for enterprise-wide workgroup applications that need connectivity to minicomputer and mainframe databases. And it's perfect for any kind of graphical application that makes heavy use of browsing and scrolling.

SQLFILE(R)

Vinzant, Inc.

600 E. 3rd Street
Hobart, IN 46342

SQLFILE (R)

Retail Price: \$495.00

Contact: John Vinzant, VP

Phone: (800) 355-3443, (219) 942-9544

Fax: (219) 942-1480

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

A development tool for creating DOS, OS/2 and Windows applications which will access data held in SQL Server, NetWare SQL or Oracle Server.

SQLFILE is a tool for creating powerful client/server applications on a PC network. Supporting DOS, OS/2 and Windows 3.1 clients, SQLFILE applications can access SQL Server, NetWare SQL and Oracle Server databases. SQLFILE is an ideal tool for quickly creating highly intelligent data-entry and lookup screens, with reports. Since SQLFILE is a true 4GL tool, developers are never required to write complicated code. All development work is done with your favorite text editor. SQLFILE does not require developers to learn a new development environment. The learning curve for SQLFILE is manageable by any developer of modest experience. The SQLFILE application builder creates finished executables from application code. These 'built' applications can be distributed royalty-free, with no additional licensing or run-time fees necessary. Depending upon the SQLFILE application builder used (DOS, OS/2 or Windows) the same application code can be used to create DOS, OS/2 and Windows applications without modification.

SQL Processor/2

Millenium Technologies, Inc.

307 Scotts Court
Bolingbrook, IL 60440

SQL Processor/2

Retail Price: \$895.00

Contact: Guy Bonneville, President

Phone: (708) 739-2950

Fax: (708) 739-2948

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/4/93

The SQL Processor/2 is a distributed SQL database application development productivity tool which exploits the 32-bit architecture of OS/2(TM) 2.0 and 2.1.

The SQL Processor/2 will execute Structured Query Language statements sent to it against multiple tables, in multiple databases, accessible by OS/2 Database Manager (DBM). The SQL Processor/2 will provide networked workstation applications with easy access to the SQL databases throughout the network. The SQL Processor/2 provides the application developer with a standard programming interface to networked SQL databases, eliminating the need for the developer to write embedded database access code such as prep and bind, and managing the retrieved data, within their applications. The SQL Processor/2 also provides communication protocol independence by supporting the major network protocols (e.g., APPC, NetBIOS, TCP/IP and MAP). Also, utilizing the Application Programming Interfaces (APIs) provided, the SQL Processor/2 provides seamless integration with the IBM Distributed Application Environment(TM) (DAE) networks.

SQL Server for OS/2, NetGateway, Open Server 10.0, Open Client 10.0

Sybase Inc.

6475 Christie Avenue
Emeryville, CA 94608

SQL Server for OS/2, NetGateway, Open Server 10.0, Open Client 10.0

Retail Price: Call

Contact:

Phone: (800) 8-SYBASE, (510) 922-3500

Fax: (510) 658-9441

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SQL Server(TM) 10.0 is the industry-leading client/server relational database system for mission-critical applications, supporting advanced features like stored procedures, triggers, database RPCs, and support by over 300 client tools.

NetGateway(TM) is an advanced mainframe gateway which provides LAN (TCP/IP, IPX, NetBIOS) to SNA conversion, error handling, security, and mapping of RPCs between client and servers on the IBM mainframe. It allows access to mainframe DB2, VSAM, and a variety of other mainframe data sources in a high-performance, low-cost environment.

Open Server(TM) 10.0 is the industry's only programmable network-independent server for creating high-performance client/server applications. It allows client applications to access diverse data such as flat files, real-time data, e-mail, and relational data.

Open Client(TM) 10.0 is a 32-bit, multi-threaded client library for development of rich, powerful client applications in a network-independent, high-level environment. It supports access to all SQL Server and Open Server applications, as well as ODBC, IDAPI, and other APIs.

TFILE for OS/2

Innovative Data Concepts, Inc.

122 North York Road
Suite 5
Hatboro, PA 19040

TFILE for OS/2

Retail Price: \$59

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 2 534 7093

Int'l Fax:

Available:

TFILE is an indexed file-access system that is fully dBASE III/III+ compatible. TFILE can also maintain .DBF, .DBT, and .NDX files, as well as Clipper-compatible indexes.

TFILE provides a complete set of fast routines for manipulating database files including: reading, writing, and creating database files; inserting and removing records; indexing by one key or multiple keys; and more.

TFILE is an indexed file-access system that is fully dBase III/III+ compatible. TFILE can also maintain .DBF, .DBT, and .NDX files, as well as Clipper-compatible indexes. TFILE uses dBASE III file formats for data, index, and memo files, allowing your programs to directly access and manipulate existing database files or create files that can be imported to other dBASE III-compatible systems.

TFILE has a pair of routines to translate database records from dBASE III format to a format usable by TCXL's Data Entry System, and back again, transparently performing any necessary data translation. For added convenience during development, a tool is provided to generate source code for the necessary data structures.

UltiROUTE

General Systems Europe

39 Merrimack Drive
Merrimack, NH 03054

UltiROUTE

Retail Price: \$995

Contact: Peter Paelinck, Product Marketing Manager

Phone: (603) 881-4840

Fax: (603) 889-6039

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Immediately

UltiROUTE enables DOS, Windows and OS/2 programs to connect to a range of database systems.

UltiROUTE is a product that enables DOS, Windows and OS/2 programs to connect to a range of database systems. The program currently supports access to: Btrieve, dBASE-compatible files, Excel Worksheets, IBM DB2, IBM DB2/2, IBM DB2/6000, Oracle, Sybase, XDB, SQL Base, Gupta, Microsoft SQL Server, and TEXT files.

UltiROUTE is implemented as a 32-bit OS/2 V2.1 daemon. This means that UltiROUTE has been developed to take advantage of 32-bit technology that recently became available to personal-computer users. The language used to access and manipulate the data is SQL.

UltiROUTE uses a simple, standard way to communicate between the daemon and the application program. When using CA-CLIPPER, you can use the UltiROUTE RDD (replaceable database driver).

UltiROUTE can be implemented as a gateway which supports DDCS/2 to the database and remote named pipes to the workstation.

VERSANT ODBMS for OS/2 2.0

VERSANT Object Technology

4500 Bohannon Drive
Menlo Park, CA 94025

VERSANT ODBMS for OS/2 2.0

Retail Price: \$3,995

Contact:

Phone: (415) 329-7500, (800) VERSANT

Fax: (415) 325-2380

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The VERSANT ODBMS for OS/2 is a high-performance, 32-bit DBMS with a scalable, distributed architecture for transparent data distribution and powerful workgroup computing.

The VERSANT Object Database Management System is the leading, client-server ODBMS for developing applications that manage complex data in distributed, concurrent environments. VERSANT provides organizations with a number of advantages, including scalability across a wide range of hardware configurations and network topologies, high-performance management of complex data, and superior application development productivity. VERSANT includes such core DBMS features as persistent storage of data, multi-user support, data integrity, concurrency control, backup and recovery, and transparent distributed database capabilities, including distributed transactions and two-phase commit. Like traditional DBMSs, VERSANT runs on a number of platforms, includes an integrated application development toolset, and can be accessed from a number of different host programming languages. VERSANT platforms include Sun, IBM, HP, NCR, DEC, Silicon Graphics, Sequent, NeXT, and Intergraph, as well as OS/2 2.0. VERSANT language interfaces include C, C++, Smalltalk, Eiffel, and Object SQL. VERSANT is also integrated with a wide range of third-party application development products and CASE tools.

BIM-EDIT/OS2

B I Moyle Associates, Inc.

5788 Lincoln Drive
Minneapolis, MN 55436

BIM-EDIT/OS2

Retail Price: \$300.00

Contact: Jim Kingsbury, Sales Manager

Phone: (612) 933-2885

Fax: (612) 933-7764

Int'l Contact: Bennett Moyle

Int'l Phone:

Int'l Fax:

Available:

BIM-EDIT/OS2 is a powerful program editor designed to edit source files stored on either an OS/2 system or on an IBM VSE or MVS host system.

BIM-EDIT/OS2 is a powerful program editor designed to edit source files stored on either an OS/2 system or on an IBM VSE or MVS host system. When the file is stored on the host system, BIM-EDIT/OS2 cooperates with BIM-EDIT/VSE or BIM-EDIT/MVS to edit the data. Only text that is referenced is downloaded, and only text that is updated is uploaded. Regardless of where the file is stored, BIM-EDIT/PC provides a consistent user interface.

CS-Edit/2

Multitask Consulting Pty Ltd.

162 Ben Boyd Road
Neutral Bay, NSW, Australia 2089

CS-Edit/2

Retail Price: \$40.00

Contact: Dion Gillard

Phone: +61 2 904 1988

Fax: +61 2 953 9401

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/16/93

CS-Edit/2 is an intelligent CONFIG.SYS editor for OS/2 2.0 and 2.1.

It is a tool that can make maintaining your system incredibly easy, but it also lets you explore and learn about configuring your machine with a minimum of effort.

CS-Edit/2's goal is to only allow a valid CONFIG.SYS to be written to disk, and to only allow valid additions and updates to be made to any existing CONFIG.SYS.

This means that OS/2 users no longer have to manually edit their CONFIG.SYS, and that help is always available for any entry of which you are unsure.

The net result is a computer that always comes up, and an increased knowledge of your system and OS/2 itself.

DAVE(TM)

Brand X

P.O. Box 634
3740 AP Baarn, The Netherlands

DAVE (TM)

Retail Price: US \$390

Contact: Hans Potze

Phone: +31 2154 15982

Fax: +31 2154 17465

Int'l Contact: Brand X

Int'l Phone: +31 2154 15982/Call for VARs

Int'l Fax:

Available:

- " First 32-bit video editor in OS/2 PM
- " Two video windows for editing different files at the same time, or for previewing the destination video in one window while maintaining your exact edit position in the other
- " VCR controls
- " Scroll bar for Variable speed and Videoframes
- " Synchronous SMPTE timecode
- " Edits RTV and PLV video formats and gives the user information about the current video format.
- " Audio Frame-accurate and Video Reference Frame-accurate editing
- " Previewing of edited sequences
- " Frame advance and reverse
- " Editing of fragments
- " Separate and combined editing of audio and video
- " Fills empty streams when the streams of the audio/video file are of

different length

- “ Saves your edit lists

Next releases:

- “ MPPM/2 support

- “ Database management

- “ EDL output formats

- “ Personal assistant supporting the user in making edit decisions

FileWorks

Lorill Technologies, Inc.

7612 N. Leewynn Drive
Sarasota, FL 34240

FileWorks

Retail Price: Call

Contact: Sales

Phone: (813) 377-5430

Fax: (813) 377-5430

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 12/92

FileWorks v2.0 is a data-file editor for Micro Focus ISAM and Btrieve files. Edit data files while viewing the COBOL Layout. Supports EBCDIC and ASCII character sets. Edit in hex or character modes.

FileWorks provides the professional COBOL developer with a powerful data management tool. FileWorks supports editing of Micro Focus ISAM and Novell Btrieve data files. Editing data files while viewing the COBOL data names provides a logical view of each record in the file. FileWorks eliminates hex dumps, counting of bytes to find the start of a field, and ad-hoc programs to modify data. FileWorks features include printing of records (include COBOL data names) in hex, character, and mixed mode. Select any record in the file for editing, using any field in the record as the key. FileWorks supports EBCDIC and ASCII character sets. Edit data in hex, character, or mixed modes. Extract records to a new file using up to fifteen selection criteria. An audit feature keeps track of every change made to a file, the audit report shows a before-and-after image of the data modified. FileWorks is ideally suited for building complicated test-data files and verifying test results.

GpfTools

Gpf Systems, Inc.

30 Falls Road
P.O. Box 414
Moodus, CT 06469-0414

GpfTools

Retail Price: \$195

Contact: Lynn T. Liska, Sales Administrator

Phone: (800) 831-0017, (203) 873-3300

Fax: (203) 873-3302

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Dec. 1992

GpfTools is a design management facility designed to be used by Gpf users.

GpfTools is intended as a Gpf design management utility. Its primary functions are manipulation and documentation of .ORC files. These are Gpf design-definition files. GpfTools provides two related and complementary functions.

First, GpfTools permits graphical and/or textual design browsing. This feature, called view or viewing, gives the user the ability to scan and examine the contents of a Gpf design from an overview perspective or to any level of detail desired, including a pop-up true view of any window. The user may graphically scan a design, or generate text or an OS/2 "View" of a design. This gives the user a straightforward way to determine links between objects, window hierarchy, logic links, and Help panel links within a design.

Second, GpfTools has a facility to accumulate objects in a new design definition (.ORC) file. This facility allows the user to pick/copy objects from the currently open view to an accumulate/paste window. The accumulator may itself contain an existing design to be added to, or may start empty and be filled. Objects are copied via drag/drop. Objects at any level may be copied, that is: entire windows, controls (from one window to another), notebook pages from one notebook to another, objects (presentation objects, user function objects, user control objects, bitmap/icon/pointer objects, etc.), even window hierarchies with all logic.

Ironsoft CobolXplorer 1.3

Ironsoft, Inc.

1603 Monroe Street
Suite B1
Madison, WI 53711

Ironsoft CobolXplorer 1.3

Retail Price: \$595

Contact: Tom Koenig

Phone: (608) 695-1896, (800) 236-0141

Fax: (608) 257-3347

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CobolXplorer is a syntax-directed COBOL editor, providing interactive analysis, navigation, outlining, syntax checking and editing via fast 32-bit code in OS/2 and DOS, and integration with Micro Focus.

The benefits of Ironsoft CobolXplorer (ICX) spring from its six primary code analysis features -- outlining, navigation, data and path analysis, syntax checking, formatting, and colorization -- integrated with an ISPF-like editor. All syntax-directed features operate dynamically; no batch analysis steps (or test data) are necessary. Analysis keeps up with your changes. You can use ICX's unique outlining tools to create 35 predefined views of the program structure, all of which can be expanded, collapsed, printed, or edited. The intuitive Auto Navigate tool allows very rapid reading of COBOL, at the speed of thought. The Data and Path analysis tools enable users to display descriptions and usage of data elements or quickly follow a program's logic. ICX helps reduce errors and needless compiles by using CobolXplorer's "safe coding" features and its syntax checker, which rapidly highlights common errors. ICX can format and color COBOL code to help clarify its meaning. ICX runs on IBM and compatible PCs in OS/2, DOS, and Windows. Uploading and downloading source code is handled from within ICX. ICX provides a powerful workbench for both mainframe and PC development systems, with extended support for Micro Focus.

KEDIT for OS/2

Mansfield Software Group, Inc.

P.O. Box 532
Storrs, CT 06268

KEDIT for OS/2

Retail Price: \$210

Contact: Hilda Moseley

Phone: (203) 429-8402

Fax: (203) 487-1185

Int'l Contact: Mansfield Software Group

Int'l Phone:

Int'l Fax:

Available: July 1993

The proven text editing power of Mansfield Software's KEDIT 5.0 is available for OS/2.

KEDIT 5.0 for OS/2 is a powerful, general-purpose text editor compatible with KEDIT 5.0 for DOS. KEDIT, a text-mode application, is also compatible with XEDIT, IBM's mainframe text editor for VM/CMS. Features include: most XEDIT commands, selective line editing (XEDIT's ALL command), mouse support, UNDO and REDO, file-locking, online help, a SORT command, support for the long filenames available with OS/2's High-Performance File System, and much more. XEDIT compatibility allows XEDIT users to easily switch between VM/CMS and the PC with such features as prefix area, over 100 XEDIT commands, reconfigurable XEDIT screen layout, and much more. Some unique features of KEDIT are selective line editing, column oriented editing, and sorting. Selective line editing allows you to both display and edit only certain lines of the file, for instance, only those lines containing text that you specify. Column-oriented editing allows you to restrict editing or viewing to certain column ranges. You can even sort your file based on multiple column ranges. KEDIT also supports block operations involving columns of text (box blocks) in addition to line and stream blocks. Block operations include copying or moving text within a file or between files, shifting text left or right, uppercasing or lowercasing text, and printing the contents of a block. Line highlighting is available based on line contents, alteration status, or selection level. Macros and key definitions are written using KEDIT's built-in macro language, KEXX, which is a subset of the REXX language and includes an interactive macro debugger. KEDIT also supports macros using Quercus System's Personal REXX or IBM's OS/2 REXX.

LstPM

Oberon Software

1405 East Main Street
Mankato, MN 56001

LstPM

Retail Price: \$25.00

Contact: Brady Flowers, President

Phone: (507) 388-7001

Fax: (507) 388-7568

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

LstPM can be used for viewing just about any text or data file on your system, either as text (ASCII or EBCDIC) or as a hexadecimal "dump" representation. You can invoke LstPM by installing a WPS program object for it on your desktop or in the folder of your choice and clicking on its icon, from the OS/2 command line with an optional file name as parameter, or by dragging and dropping a selected file or files onto its icon. You can drop files onto LstPM's window while it is running also and the file will be automatically loaded for display.

SlickEdit

MicroEdge, Inc.

P.O. Box 18038

Raleigh, NC 27619-8038

SlickEdit

Retail Price: \$195

Contact: Sales

Phone: (919) 790-1691

Fax: (919) 872-5586

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SlickEdit is an easy-to-use, fully configurable programmer's editor with a powerful macro language, a programmable file manager, and comprehensive Brief & Emacs emulation.

Choosing SlickEdit is your first step toward increasing your programming productivity. SlickEdit is the fastest, most feature-rich, and easiest-to-use programmer's editor on the market today. There are 900 callable functions available from SlickEdit's macro language! For ease of use, SlickEdit is both menu- and command-line-driven, includes the entire manual on line with hypertext help, has comprehensive Brief and Emacs emulation (not just key reassignments), and comes with free technical support. Other features include mouse support (4Q93 for UNIX), unlimited undo & redo, procedure tagging that blows the others away, Microsoft C 6 & 7 browse support, multiple clipboard support, compiler error-message processing, syntax expansion & indenting, CUA marking, multiple windows & clipboards, full support for OS/2 HPFS filenames, command retrieval & completion, hex/octal/dec/floating point calculator, sorting by line or by column, begin/end structure matching, brace matching, document math, and much more. SlickEdit easily edits multiple files up to 1 Gigabyte, edits first/middle/last pages without loading the entire file, and ships with a program to speed up the keyboard for 286/386/486 machines (OS/2 & DOS). Watch for full GUI versions of SlickEdit available soon! Call today to get the latest information and to take advantage of our no-risk, full 30-day money-back guarantee.

TeXPERT

Johannes Martin Software Entwicklmg

Pfarrer-Dorn-Strasse 26
55127 Mainz, Germany

TeXPERT

Retail Price: DM 70.

Contact: Johannes Martin

Phone: +49 6131 35156

Fax: +49 6131 52299

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

User environment for the emTeX package.

TeXPERT offers an integrated WordStar-like editor, supports TeX, Metafont, previewers, etc. and can be adjusted to own needs; the editor can hold multiple files at one time, has cut/paste facilities, online help and can also be used as a programmer's editor.

TRITUS SPF

Tritus, Inc.

6034 W. Courtyard Drive
Suite 120
Austin, TX 78730-5014

TRITUS SPF

Retail Price: \$99

Contact: Wafae T. Grant, Marketing and Sales Manager

Phone: (800) 321-2100, (512) 794-5800

Fax: (512) 794-3833

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: January 1992

SPF-style editor for DOS and OS/2. Includes REXX macros, MF COBOL Workbench integration, mappable keyboard, EBCDIC support, modifiable panels, 3270 emulation. Edits files up to 256MB.

Tritus SPF is a full-featured PC version of IBM's popular ISPF/PDF text editor. It provides the same commands and keystrokes as on the mainframe. In addition, Tritus SPF maintains many enhancements over the mainframe version in terms of speed, reliability, and ease of use. Virtually every aspect of system operation allows user customization. Some key features include DOS and OS/2 support, REXX edit macros, modifiable panels, Micro Focus COBOL Workbench integration, unlimited undo/redo, source-code comment highlighting, custom fonts, a maximum record length of 64,000 bytes, multiple cut/paste queues including the Windows and OS/2 clipboards, EBCDIC editing with custom translate tables, several file record formats with custom record delimiters, mappable keyboard, multiple logical terminals, the reading files of up to 256 MB, an OS/2 32-bit version, and over 620 pages of documentation. Version 2.0 of Tritus SPF will contain ISPF, which will support the mainframe ISPF features.

Acu4GL(TM)

Acucobol, Inc.

7950 Silverton Avenue
Suite 201
San Diego, CA 92126

Acu4GL (TM)

Retail Price: Call

Contact: Denise Brown, Marketing Programs Mgr.

Phone: (619) 689-7220, (800) 262-6585

Fax: (619) 566-3071

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Acu4GL (pat. pend.), the first translator between COBOL and SQL, is a database interface product which allows software written in ACUCOBOL(R)-85 to interface with relational database management systems. Now applications can access 4GL databases from COBOL programs without recoding.

Acu4GL(TM) is a database interface product which allows software written in ACUCOBOL(R)-85 to interface with relational database management systems. Applications can be customized through the mixing and matching of database and COBOL files. Acu4GL can access fourth-generation databases from COBOL programs without recoding. Acu4GL eliminates the need to add Embedded SQL to existing COBOL programs. Instead, standard COBOL file verbs are used to access the database. Also, its bi-directional information exchange allows end-users to utilize fourth-generation tools such as report writers and query tools while retaining the use of their COBOL application. Acu4GL's first links available are to the INFORMIX OnLine and SE database engines.

APS/PC for OS/2

INTERSOLV, Inc.

3200 Tower Oaks Boulevard
Rockville, MD 20852

APS/PC for OS/2

Retail Price: \$9,500

Contact: Patti Darsigny, Telesales Manager

Phone: (800) 777-8858, (617) 252-4508

Fax: (617) 494-8591, (617) 577-8945

Int'l Contact: Panos Anastassiadis

Int'l Phone: +44 72 781 2812

Int'l Fax:

Available: Immediate

APS is an application development system for rapid development of client/server and traditional production applications, for PC, midrange, and mainframe platforms.

APS enables rapid development of client/server and traditional production applications for PC, midrange, and mainframe platforms, with the productivity and ease of use of a 4GL, while delivering applications as high-performance COBOL optimized for each production target. APS shields the developer from complexity, and enables applications to be delivered across many production environments.

APS runs on OS/2 2.0+ and Windows 3.1, and on MVS (for MVS targets only). PC versions of APS produce applications for Windows, OS/2, OS/400, MVS, CICS, and IMS/TM, with Oracle, Microsoft/Sybase SQL Server, DB2/2, DB2, DB2/6000, DB2, IMS/DB, VSAM, SQL/400, and OS/400 Native File data sources. Client/server applications are generated using database servers, gateways, or APPC-connected server programs, 100% generated by APS.

APS provides an open, extensible, and customizable development environment with no proprietary language or runtime components. APS offers a complete solution for both new development and existing-system enhancement, for both client/server and traditional systems, across many production platforms.

ASK/Windows4GL

The ASK Group

1080 Marina Village Parkway
Alameda, CA 94501-1041

ASK/Windows4GL

Retail Price:

Contact:

Phone: (800) 4-INGRES, (510) 769-1400

Fax: (510) 748-2545

Int'l Contact: International Region

Int'l Phone: +44 71 416 7770

Int'l Fax:

Available:

ASK/Windows4GL is the premier fourth-generation language (4GL) environment for developing graphical client/server applications.

ASK/Windows4GL is not simply a graphical user interface (GUI) tool or an object-oriented 4GL, but a fully integrated combination of the two, with additional facilities to support development teams creating production applications. The integrated development environment of ASK/Windows4GL combines an intuitive user interface with the most advanced technology on the market.

With the powerful ASK/Windows4GL, you can build sophisticated client/server applications that meet your most demanding needs, including transaction-processing, imaging, decision-support, and real-time systems. In fact, ASK(TM) customers are using ASK/Windows4GL applications for mission-critical production systems such as telephone billing, customer service, and process monitoring and control.

ASK/Windows4GL is designed for developing and deploying applications in the heterogeneous computing environment typical to client/server applications. The product is available on platforms ranging from PCs to RISC workstations to VAX/VMS. The ASK/Windows4GL integrated development environment provides:

- “ unsurpassed programmer productivity through a powerful object-oriented 4GL and debugger
- “ a portable, integrated environment with support for your system's native windows manager

“ sophisticated application management facilities for enterprise-wide production systems

DataFlex

Data Access Corporation

14000 S.W. 119th Avenue
Miami, FL 33186

DataFlex

Retail Price: \$795-\$1,450

Contact: Karen Price, Sales Support Manager

Phone: (800) 451-3539, (305) 238-0012

Fax: (305) 238-0017

Int'l Contact: Deborah Vazquez

Int'l Phone:

Int'l Fax:

Available: March 1, 1993

DataFlex is a complete application development environment with all the tools needed in a single, integrated package.

DataFlex combines a flexible, full-featured object-oriented 4GL, a WYSIWYG application generator, a powerful relational database management system, and a comprehensive set of built-in productivity tools and utilities. This integrated combination makes creating applications much easier, much faster, and much more economical than ever before.

DataFlex is instantly portable. There are versions available for DOS, DOS LANs, Microsoft Windows, AIX, UNIX systems, and OS/2.

Over a quarter-million licenses of Data Access Corporation's DataFlex MBOL(TM) software are in use by systems houses, application developers, and business, corporate, and institutional users worldwide. Introduced in 1981, the 4GL has become well established for the development of a broad range of commercial applications, and is available in several languages, including Danish, English, French, German, Italian, Norwegian, Portuguese, and Swedish.

d-tree Development Tool(TM) Version 4.2e

FairCom

4006 W. Broadway
Columbia, MO 65203

d-tree Development Tool(TM) Version 4.2e

Retail Price: \$495

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediate

Increase productivity without relinquishing control! Complete portable screen-handler; data dictionary; resource generation; menus; interactive help facility; data-file reformatting; runtime control of program resources.

Increase application development productivity without relinquishing control by utilizing the convenience of a 4GL product at the C development level. d-tree offers the beginning programmer a bridge to the control, flexibility, and portability obtained only at the C development level. For the experienced C programmer, d-tree increases results while maintaining low level flexibility. Features include: a complete portable screen handler; data dictionary; resource generation; instant file maintenance; easy-to-use database validation; flexible data windows; field masks; user defined/field level edits; and data-file formatting. d-tree's dynamics allow runtime control of program resources (screens, files edits, etc.) not found in any other package. Resources can be changed in memory, and/or swapped on/off disk at runtime. Another unique attribute of d-tree applications can be run in three different modes: interpreted; compiled; or dynamic. If you develop applications on multiple platforms, or you're debating 4GL versus C development, d-tree is designed for you.

PolyServer for LAN Server

Uniface Corporation

1320 Harbor Bay Parkway
Suite 100
Alameda, CA 94502

PolyServer for LAN Server

Retail Price: \$500-\$50,000

Contact: Piyush Shukla, Sales Manager

Phone: (800) 365-3608, (510) 748-6145

Fax: (510) 748-6150

Int'l Contact: Marc Berlow

Int'l Phone: +31 20 3116 222

Int'l Fax:

Available: 1991

UNIFACE is an advanced fourth-generation environment that enables developers to rapidly build and easily maintain complex applications for client/server architectures.

UNIFACE is a robust development environment offering customers tools to solve their business application problems today while maintaining the greatest degree of flexibility for future technological advances. UNIFACE applications are completely open and portable. Applications built with UNIFACE Open 4GL have simultaneous read/write access to numerous database and file management systems, including DB2, Oracle, Sybase, Informix, INGRES, and others. A single UNIFACE application runs under multiple GUIs (including MS-Windows, Motif, OS/2 PM, Workplace Shell, and Open Look) and character mode, without any additional programming. Regardless of interface, UNIFACE applications exploit each environment: UNIFACE is not a least common denominator. UNIFACE also works with several CASE tools, including those from KnowledgeWare and INTERSOLV. UNIFACE has been used to build enterprise client/server software applications in a wide range of industries including financial services, pharmaceuticals, telecommunications, government, and manufacturing.

UNIFACE

Uniface Corporation

1320 Harbor Bay Parkway
Suite 100
Alameda, CA 94502

UNIFACE

Retail Price: Call

Contact: Piyush Shukla, Sales Manager

Phone: (800) 365-3608, (510) 748-6145

Fax: (510) 748-6150

Int'l Contact: Marc Berlow

Int'l Phone: +31 20 3116 222

Int'l Fax:

Available:

UNIFACE is an advanced fourth-generation environment that enables developers to rapidly build and easily maintain enterprise-wide, mission-critical applications for client/server architectures.

UNIFACE is a robust development environment offering customers tools to solve their business application problems today while maintaining the greatest degree of flexibility for future technological advances. UNIFACE applications are completely open and portable. Applications built with UNIFACE Open 4GL have simultaneous read/write access to numerous database and file management systems, including DB2, Oracle, Sybase, Informix, INGRES, and others. A single UNIFACE application runs under multiple GUIs (including MS-Windows, Motif, OS/2 PM, Workplace Shell, and Open Look) and character mode, without any additional programming. Regardless of interface, UNIFACE applications exploit each environment: UNIFACE is not a least common denominator. UNIFACE also works with several CASE tools, including those from Knowledgeware and INTERSOLV. UNIFACE has been used to build enterprise client/server software applications in a wide range of industries including financial services, pharmaceuticals, telecommunications, government, and manufacturing.

AnimatedBitmaps (AniBit) 2.1

SE International, Inc.

621 N.W. 53 Street
Suite 240
Boca Raton, FL 33487

AnimatedBitmaps (AniBit) 2.1

Retail Price: \$195

Contact: Barbara Guerra

Phone: (407) 241-3428, (800) 473-4685

Fax: (407) 997-8945, (407) 278-3919

Int'l Contact: SES GmbH Berlin, Hans Eisenhuth

Int'l Phone: +49 30 826 4063, (407) 278-2204

Int'l Fax:

Available:

AnimatedBitmaps (AniBit) is a productivity tool for the development of GUI applications with C and OS/2 Presentation Manager.

AnimatedBitmaps is a Presentation Manager window class which helps programmers to write applications with animation (e.g. rotating company logo) or single pictures. Special knowledge of bitmap handling is not required. AniBit objects consist of a series of bitmaps stored in a dynamic link library (DLL). These bitmaps of an AniBit object are displayed in a user-defined frequency to simulate motion. They can be displayed in four different modes: CENTER, TILE, RESIZE TO SCALE, and STRETCH TO FIT. A utility provided with AnimatedBitmaps stores OS/2 bitmaps in a dynamic link library. The OS/2 Dialog Editor can be used to add AniBit objects to an application window. AniBit objects are handled by the Dialog Editor as "user-defined" controls. An additional message and function interface allows the changing, setting, and querying of bitmaps in an animated bitmap control during runtime. The creation and manipulation of AniBit objects fully conform to the OS/2 Presentation Manager programming standards for window creation and handling. Application developers do not have to learn new programming techniques. In addition, AnimatedBitmaps fully conforms to the programming interface of Gpf 1.3 and 2.x user-defined controls. This feature lets AnimatedBitmaps behave like an integral part of Gpf's program development process and adds user-friendly editing capabilities to AniBit objects.

BARCODES-PLUS Developers Library

GRAFTech Development Corporation

35231 Sheffield Street
P.O. Box 851228
Westland, MI 48185-6328

BARCODES-PLUS Developers Library

Retail Price: \$350

Contact: Jess Schambers

Phone: (517) 487-2780

Fax: (313) 595-3180

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BARCODES-PLUS Developers Library provides business application developers with bar code and PCX graphics which are hardware-independent, easy to learn, and quickly integrated into existing source code.

BARCODES-PLUS provides a proven barcode technology used by developers worldwide, to create professional, high-performance business applications. With support for over 300 different dot-matrix, ink-jet and laser printers, BARCODES-PLUS eliminates the problem of hardware dependency. Barcode symbologies include UPC A and E, UPC/EAN/IAN 8 and 13, Interleaved 2 of 5, Code 39, Code 128 Series A, B and C, Standard 2 of 5 and POSTNET/POSTNET ABC. Features include selectable densities, heights and human-readables. Check digits are automatically calculated and returned. The simplified user interface has been refined into a single function call which controls all functions of the barcode drivers. In addition, BARCODES-PLUS also gives you the ability to print PCX graphic images on all supported printers.

The Business Graphics Library for OS/2 2.X

The Graphics Network Limited

The Siskins, Hatherop Road, Fairford
Glos., England GL7 4JZ

The Business Graphics Library for OS/2 2.X

Retail Price: £115/£495 with source code

Contact: Suzanne Jones, Director

Phone: +44 285 713297

Fax: +44 285 713822

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The library provides a collection of routines for displaying impressive presentation graphics in your applications. This true 32-bit application includes various line, bar and pie charts in two or three dimensions, functions for displaying text in boxes with optional shadows and easy font selection, and functions for drawing thick lines and polylines. All features may be used on a window or printer. The source code of a comprehensive example/demonstration program is included. The library is supplied both as a DLL and as a static library so that it may be invisibly imbedded within an application.

COBOL spII

Flexus International Corporation

P.O. Box 640
Bangor, PA 18013-0640

COBOL spII

Retail Price: \$1,000.00

Contact: Robert T. Wolfe, Director of Marketing

Phone: (215) 588-9400

Fax: (215) 588-9475

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/1/93

COBOL spII is a User Interface Development System designed to allow the COBOL programmer to quickly and easily design interactive Graphical User Interface screens for a COBOL application.

COBOL spII consists of 3 facilities to help the programmer develop an advanced user interface. The three components include an interactive screen-painting tool, a COBOL code generator, and a runtime system. Menu bars, input/output screens and help screens may be quickly and easily "painted" with the screen-painting tool. Screens may incorporate advanced GUI screen-handling features such as push buttons, radio buttons, check boxes, and icons. Screens may be painted for a text-based application or a graphical user interface application. Once the screens have been reviewed and approved, the programmer may generate a COBOL program which displays the same advanced user interface features that were painted and tested. COBOL spII supports OS/2 character mode as well as OS/2 Presentation Manager. COBOL spII supports the following COBOL compilers: Acucobol 85, mbp Visual COBOL, Micro Focus COBOL/2, Microsoft COBOL, Realia COBOL, and RM COBOL. COBOL spII is priced at \$800.00 for OS/2 text mode and \$1,000.00 for OS/2 Presentation Manager.

DateEntryFields (DEF) 2.1

SE International, Inc.

621 N.W. 53 Street
Suite 240
Boca Raton, FL 33487

DateEntryFields (DEF) 2.1

Retail Price: \$195

Contact:

Phone: (407) 241-3428, (800) 4SE-INTL

Fax: (407) 997-8945, (407) 278-3919

Int'l Contact: SES GmbH Berlin, Hans Eisenhuth

Int'l Phone: +49 30 826 4063, (407) 278-2204

Int'l Fax:

Available:

DateEntryFields (DEF) is a productivity tool for the development of GUI applications with C and OS/2 Presentation Manager.

DateEntryFields is a Presentation Manager window class which handles dynamic and static validation and formatting of calendar-date user input in single-line edit fields. Application developers can assume that the calendar date in an edit field is correct. Its general plausibility is checked dynamically. No complex validation routines must be coded. An optional post-check mechanism allows for application-specific formatting and checking of user input dependent on other window data. This static check of user input is initiated automatically as soon as the user tries to leave DEF object with keyboard or mouse. It is the developer's responsibility to write the post-check routine. A template for post-check routines is supplied with DateEntryFields. The OS/2 Dialog Editor can be used to add DEF objects to an application window. DEF objects are handled by the Dialog Editor as "user-defined" controls. A format string defines the initial value ranges and formatting parameters. An additional message interface allows the modification of DEF objects during runtime. The creation and manipulation of DEF objects fully conform to the OS/2 Presentation Manager programming standards for window creation and handling. Therefore, application developers do not have to learn new programming techniques. DateEntryFields also fully conforms to the programming interface of Gpf(TM) 1.3 and 2.x user-defined controls. This features lets DateEntryFields behave like an integral part of Gpf's program development process.

FormattedEntryFields (FEF) 2.1

SE International, Inc.

621 N.W. 53 Street
Suite 240
Boca Raton, FL 33487

FormattedEntryFields (FEF) 2.1

Retail Price: \$195

Contact:

Phone: (407) 241-3428, (800) 4SE-INTL

Fax: (407) 997-8945, (407) 278-3919

Int'l Contact: SES GmbH Berlin, Hans Eisenhuth

Int'l Phone: +49 30 826 4063, (407) 278-2204

Int'l Fax:

Available:

FormattedEntryFields (FEF) is a productivity tool for the development of GUI applications with C and OS/2 Presentation Manager.

FormattedEntryFields is a Presentation Manager window class which handles dynamic and static validation and formatting of numeric user input in single-line edit fields. Application programmers can assume that numeric data in edit fields is correct and do not have to code complex validation routines. Optional post-checking of user input is initiated automatically as soon as the user tries to leave the FEF object with keyboard or mouse. It is the developer's responsibility to write the post-check routine. A template for a post-check routine is supplied with FormattedEntryFields. The OS/2 Dialog Editor can be used to add FEF objects to an application window. FEF objects are handled by the Dialog Editor as "user-defined" controls. A format string defines the initial value ranges from formatting parameters. An additional message interface allows the modification of FEF objects during runtime. The creation and manipulation of FEF objects fully conform to the OS/2 Presentation Manager Programming standards for window creation and handling. Application developers do not have to learn new programming techniques. FormattedEntryFields also fully conforms to the programming interface of Gpf(TM) 1.3 and 2.x user-defined controls. This feature lets FormattedEntryFields behave like an integral part of Gpf's program development process.

Graph Layout Toolkit

Tom Sawyer Software Corp.

1824B Fourth Street
Berkeley, CA 94710

Graph Layout Toolkit

Retail Price: \$1500/library

Contact: Sales

Phone: (510) 848-0853

Fax: (510) 848-0854

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The Graph Layout Toolkit from Tom Sawyer Software is a family of portable, automated, topology-management tools that facilitate graph readability with intelligent positioning of objects and their connections.

The Graph Layout Toolkit delivers an immediate face-lift to your application with sophisticated graph layout algorithms. It yields a clear representation of objects and their connections, so that end-users can more readily see underlying relationships within complicated data.

Graphics application programmers appreciate that they don't have to master graph theory if they use the Graph Layout Toolkit's powerful services. It works in real time, rarely requiring more than a few seconds to produce quality output -- even for large graphs with several hundred nodes. And with no graphics dependencies, you have complete flexibility for multiplatform GUI development.

You can easily access its many useful features through three clear and extensible C++ class libraries with ANSI C APIs.

Three related libraries are now available to address your layout needs: the Hierarchical, Circular, and Symmetric Layout Libraries.

MultiColumnListBoxes (MultiList) 2.1

SE International, Inc.

621 N.W. 53 Street
Suite 240
Boca Raton, FL 33487

MultiColumnListBoxes (MultiList) 2.1

Retail Price: \$195

Contact:

Phone: (407) 241-3428, (800) 4SE-INTL

Fax: (407) 997-8945, (407) 278-3919

Int'l Contact: SES GmbH Berlin, Hans Eisenhuth

Int'l Phone: +49 30 826 4063, (407) 278-2204

Int'l Fax:

Available:

MultiColumnListBoxes (MultiList) is a productivity tool for the development of GUI applications with C and OS/2 Presentation Manager.

MultiColumnListBoxes is a Presentation Manager window class which helps PM programmers write applications which display information in multi-column listboxes. Specific knowledge of subclassing and graphics programming is not required. The width of each column in a MultiList object can be specified in points or minimum/average/maximum character size or relative to the size of the entire listbox. The programmer can also specify the alignment of text in each column. Either the OS/2 Dialog Editor or Gpf(TM) can be used to add MultiList objects to an application window. MultiList objects are handled by the Dialog Editor as "user-defined" controls. A special message and function interface allows the changing, setting, and querying of column settings during runtime. The creation and manipulation of MultiList objects fully conform to the OS/2 Presentation Manager programming standards for window creation and handling. Application developers do not have to learn new programming techniques. In addition, MultiColumnListBoxes fully conforms to the programming interface of Gpf(TM) 1.3 and 2.x user-defined controls. This feature lets MultiColumnListBoxes behave like an integral part of Gpf's program development process and adds user-friendly capabilities to MultiList objects.

The Pegasus OFS for OS/2 2.x

Pegasus Disk Technologies, Inc.

55 Crest Avenue
Walnut Creek, CA 94595

The Pegasus OFS for OS/2 2.x

Retail Price: From \$495 to \$14,995

Contact: Sales Department

Phone: (510) 938-5340

Fax: (510) 938-5341

Int'l Contact: Roy Slicker

Int'l Phone:

Int'l Fax:

Available:

The Pegasus OFS enables users of IBM's OS/2 2.x access to a wide range of 5.25- and 12-inch erasable and WORM optical drives and jukeboxes through normal workstation shell or IFS function calls. The Pegasus OFS for OS/2 is fully compatible with IBM's LAN Server network.

The Pegasus OFS for OS/2 software provides transparent local or network workstation access through normal OS/2 operating system commands and shells. Users have access to an entire optical jukebox, daisy-chain of drives, or both as one drive letter under OS/2. Each side of each disk appears as a subdirectory. This approach allows users to control where images or data are stored, eliminating grouped files being stored on many different disk volumes.

Pegasus OFS software is built around a modular file system that was designed specifically for high-capacity optical media. The Pegasus OFS writes data to the optical disk in the same OFS format regardless of the host operating system, providing optical media transportability between operating systems. The Pegasus OFS also provides a smooth migration path from single drive through multiple drive to jukebox systems.

The software maintains a cache of each optical disk volume directory built on a local hard drive. In jukebox configurations, robotic movements are kept to a minimum. Optical disk cartridges are moved only when the user's program physically reads or writes files. Users can browse through cached directories to search for image or data files without moving disks, greatly improving access times and reducing "trashing" of disks. Users of standalone drives benefit from directory cache files by having the ability to have hundreds of optical disk

volumes mounted and available for inquiries without having the disk physically in an optical drive.

Spell Time

Sub Systems, Inc.

159 Main Street, #8C
Stoneham, MA 02180

Spell Time

Retail Price: \$369

Contact: Subhas Bhardwaj

Phone: (800) 447-6819, (617) 438-8901

Fax: (617) 438-0311

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Spell checker routines with a dictionary.

Spell Time allows you to incorporate a spell checker into your product. The product includes an English word dictionary and a set of APIs to interface with the dictionary. The product comes with the complete source code. Spell Time offers the following features:

" Spell Time incorporates three types of dictionaries. The main dictionary contains more than 100,000 English words. This dictionary is compressed to occupy only 350 K bytes on the disk. The efficient spell-checking routines decompress the main dictionary data at runtime. The application dictionary allows an OEM to enter their industry-specific words. This feature lets you customize the dictionary before your product is shipped to the user. The user dictionary allows your users to enter new words into the dictionary during the spell-checking session.

" The Spell Time routine can interface with your application at different levels. Your application can call Spell Time to check a single word, to check all words in a buffer, or to check the entire text file. Spell Time will show the incorrect word on the screen with a number of alternate words to choose from. The user may also add the incorrect word to the user dictionary, or ignore the incorrect word, or type in a replacement word. Spell Time remembers a user action for an incorrect word, so that any subsequent occurrence of the same word is automatically corrected.

" Spell Time routines are highly optimized. A test on a high-end 386, 33MHz

computer indicates a speed of 500 to 700 words per second.

TCP/2(TM)-OS/2 Advanced Client Pack

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 Advanced Client Pack

Retail Price: \$125

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 ADVANCED CLIENT PACK is one of the unbundled modules which requires the TCP-OS/2 TRANSPORT & CONFIGURATION module to function.

While our users contend that "TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source", they also requested that the DISTRIBUTION SYSTEM be unbundled to offer options for those enthusiasts that did not require all of the functionality available in the full implementation of TCP/2. The unbundled options include the TRANSPORT & CONFIGURATION module, the BASIC CLIENT, ADVANCED CLIENT, and SERVER PACKS. The ADVANCED CLIENT PACK includes: cookie.exe, binmail.exe, finger.exe, fmt.exe, gettable.exe, htable.exe, hunt.exe, huntdrv.exe, mail.exe, mailq.exe, mazefind.exe, mazewar.exe, mt.exe, newalias.exe, nslookup.exe, pccmail.exe, pccmailer.exe, pop3.exe, rcp.exe, red.exe, rexec.exe, rlogin.exe, rloginvt.exe, rpcinfo.exe, rsh.exe, rstat.exe, rtcp.exe, sendfile.exe, sendmail.exe, tracerou.exe, whois.exe.

TCP/2(TM)-OS/2 Basic Client Pack

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 Basic Client Pack

Retail Price: \$50

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 BASIC CLIENT PACK is one of the unbundled modules which requires the TCP-OS/2 TRANSPORT & CONFIGURATION module to function.

While our users contend that "TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source'', they also requested that the DISTRIBUTION SYSTEM be unbundled to offer options for those enthusiasts that did not require all of the functionality available in the full implementation of TCP/2. The unbundled options include the TRANSPORT & CONFIGURATION module, the BASIC CLIENT, ADVANCED CLIENT, and SERVER PACKS. The BASIC CLIENT PACK includes: ftp.exe, lpr.exe, lprm.exe, lpq.exe, mset.exe, ntprint2.exe, tar.exe, telnet.exe, telnetvt.exe, telnet14.exe, tftp.exe, tn3270.exe.

TCXL User Interface for OS/2

Innovative Data Concepts, Inc.

122 North York Road
Suite 5
Hatboro, PA 19040

TCXL User Interface for OS/2

Retail Price: \$199

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 02 534 7093

Int'l Fax:

Available:

TCXL-OS/2 is a multi-platform, CUA-style user interface toolkit which provides event-driven architecture, virtual windows, virtual memory, dialog controls, mouse support, and more. It enables you to write 32-bit apps for both OS/2 and Presentation Manager with ONE SET OF SOURCE CODE.

TCXL-OS/2 contains over 500 multi-purpose functions. TCXL-OS/2 is fully compatible with IDC's existing TCXL-DOS, TCXL Protected Mode and TCXL Windows packages -- allowing for an easy transition to OS/2 2.x.

XDPLibrary

Recognition International, Inc.

1301 Chesapeake Terrace
Sunnyvale, CA 94089

XDPLibrary

Retail Price: Call

Contact:

Phone: (408) 747-1210

Fax: (408) 747-1245

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Fourth Quarter 1993

XDPLibrary is a native 32-bit OS/2 C-level library that provides compound-data access and manipulation services to user applications in multiple client environments. Initial support for OS/2 and Solaris 2.1 OpenLook, with future support for Motif, Macintosh, and MS-Windows.

XDPLib provides developers with a substantial advantage over integrating C-level imaging and data access tools for imaging application development:

- " XDPLibrary's open architecture provides a consistent cross-platform API, reducing development time and effort.
- " New applications possible with (future) support for greyscale, color, video, audio, etc.
- " Provides interface to imaging peripherals, sparing the developer from difficult custom integration.
- " Version 1.0 provides embedded SQL for C database access for Informix databases. A future version will support multiple databases.

XDPLibrary for OS/2 is compatible with a variety of third-party development tools, and may be used with third-party data access products to support non-Informix databases.

X'Server

Microline

1, Rue de L'informatique, BP709-42950
Saint Etienne, France Cedex 3

X'Server

Retail Price:

Contact: Mr. Curiant, Director

Phone: +33 77 92 01 05

Fax: +33 77 93 94 37

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: May 93

Microline X'Server is a communication package designed to help in building communication systems where simultaneous protocols need to be supported: X25, BSC, Async. The communication package is based on the IBM ARTIC card for the Micro Channel and ISA bus.

These applications are built by using a set of communication APIs written in C language. We support 16-bit and 32-bit APIs. The communication package can offer up to 1 X25 line and 6 (MCA) or 8 (ISA) async or BSC lines mixed or not simultaneously. We support up to 4 cards on the Micro Channel bus.

The package consists of:

- " The IBM ARTIC card.
- " The device driver and utilities.
- " The microcode
- " The APIs
- " The documentation.

You can then build your own server suited to upload or download to heterogeneous sites where different protocols need to be supported or to build gateways between different protocols.

Yacc++(R) and the Language Objects Library

Compiler Resources, Inc.

3 Proctor Street
Hopkinton, MA 01748

Yacc++(R) and the Language Objects Library

Retail Price: \$695

Contact: Barbara Zino, Technical Consultant

Phone: (508) 435-5016

Fax: (508) 435-4847

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Yacc++(R) is an object-oriented rewrite of lex and yacc which automatically generates C++ classes for processing text input in your application.

Yacc++ and the Language Objects Library is an object-oriented rewrite of lex and yacc which automatically generates C++ classes of lexer and parser objects from grammars.

“ Lexer and parser objects are fully reentrant and usable in PM(TM) and Windows(TM) applications.

“ Multiple lexer and parser objects can be active concurrently.

“ Multiple inheritance features allow modularizing and reusing grammars.

“ Yacc++ directly translates regular expressions without introducing artificial productions and produces minimal state LR(1) lexers and parsers.

“ Grammar classes can be dynamically bound to lexer and parser objects.

“ Multiple entry-point grammars allow the matching of partial parse trees.

“ Yacc++ comes with the Language Objects Library, a class library for developing language processors with various error, input, symbol table, and tree-building classes.

“ Yacc++ includes new features which solve many lexing and parsing issues like include files, substring keywords, nested comments, and pre-processor directives.

DocuMento 1.1

SE International, Inc.

621 N.W. 53 Street
Suite 240
Boca Raton, FL 33487

DocuMento 1.1

Retail Price: \$450.00

Contact:

Phone: (407) 241-3428, (800) 4SE-INTL

Fax: (407) 997-8945, (407) 278-3919

Int'l Contact: SES GmbH Berlin, Hans Eisenhuth

Int'l Phone: +49 30 826 4063, (407) 278-2204

Int'l Fax:

Available:

DocuMento is a true 32-bit development tool that works with OS/2 version 2.0 and 2.1. DocuMento allows software developers to work in a logical, "parallel" fashion, documenting essential information while writing their code. DocuMento makes on-line documentation and on-line help easy. Software developers write their on-line documentation with an easy-to-use word processor (Lotus Ami Pro) within a fraction of time and create on-line help by converting the manuals of an application into HLP-files without any IPF-tag language knowledge. With DocuMento, only one information source is used to generate printed documentation, on-line documentation and help screens.

Programmers using the popular Gpf GUI programming facility will find a number of special features that will dramatically speed up the creation of their on-line documentation when they use DocuMento. They can directly reference help information in an Ami Pro document while they are designing their graphical user interface for OS/2.

DocuMento offers numerous text layouts and hypertext links to enable developers to design an impressive information presentation of their documentation even with graphics. Now, because of the speed and ease of using DocuMento, programmers and information developers can easily create and maintain documentation, capturing all of the important details that the end-user will need.

The "real-time" creation of on-line documentation can also be very valuable to software developers who are working on multiple projects or who are subject to interruptions in their work flow. Software developers working on a team will

find DocuMento invaluable by helping them share information.

IconEase

New Freedom Data Center

Box 461
New Freedom, PA 17349

IconEase

Retail Price: \$25.00

Contact: Dave Lester, Proprietor

Phone: (717) 235-7315

Fax: (717) 235-0985

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

IconEase is a 32-bit presentation manager program that can help you effectively manage large icon collections in a single compressed file. Icons can be previewed, dragged to the desktop, or edited with the OS/2 Icon Editor using this utility's simple notebook control.

If you have no artistic abilities, creating freehand icons with the OS/2 Icon Editor is beyond your capability. Therefore, you will need to collect a library of icons that help you make your desktop both easier to use and more attractive.

Maintaining icon libraries can be a clumsy and disk-consuming effort, though. Each icon is minimally 888 bytes large. However, many hard drives allocate space in 1024 and 4096 increments. Therefore, the space that the icons occupy on your disk can be much larger than their apparent size.

IconEase addresses the most troublesome elements of OS/2 icon maintenance. A very advanced compression algorithm is used to store multiple icons in a single file. That way, the amount of disk space required to maintain large libraries of icons is reduced. IconEase is distributed with a collection of 3300 public-domain OS/2 icons. You can also create your own IconEase icon catalog.

IconEase makes use of the OS/2 notebook control so that you can access and manage the icons in the compressed file in a very natural way. Icons can be quickly previewed on the notebook page. You don't have to waste a lot of time fishing around for an icon that you want to use. By using the controls on the notebook page, you can easily drag an icon to the desktop or copy it to the OS/2 clipboard where it can be used to change a icon for the Workplace Shell. Also, you can

launch an icon editor from the notebook preview page and make changes to existing icons.

RoboHELP(R)

Blue Sky Software Corp.

7486 La Jolla Boulevard
Suite 3
La Jolla, CA 92037

RoboHELP (R)

Retail Price: \$499

Contact: Sales

Phone: (619) 459-6365, (800) 677-4946

Fax: (619) 459-6366

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Now Shipping

The leading tool for creating on-line help for Windows applications is now available to OS/2 2.0 PM developers. Generates the source code, runs the Help Compiler, and previews your Help System -- you just fill in the text!

RoboHELP(R) is a hypertext authoring tool which produces OS/2 PM and Windows Online Help files as easily as a word processor does plain text. RoboHELP reduces the time it takes to create a Help System by up to 95%. This tool guides you through all the necessary steps -- you just fill in the actual help text. RoboHELP features an easy-to-use, customizable visual tool palette (like PageMaker). RoboHELP takes care of the complexities of setting context strings, keywords, browse sequences, and hypertext links. RoboHELP is a fully integrated tool -- it generates all the source files required by the Help Compiler, takes care of running the Help Compiler, and will even test run your Help System. RoboHELP also generates source code for context-sensitive help, cross-references, indexes, topics, defined terms, pop-up definitions, displaying graphics, bitmap hot-links, and more. Programmers and non-programmers can develop a complete Help System under OS/2 2.0 -- no need to know anything about OS/2 PM programming or the OS/2 Help Compiler.

SearchManager/2 (Single User and LAN Client-Server)

IBM Corporation

1 E. Kirkwood Blvd
Roanoke, TX 76299

SearchManager/2 (Single User and LAN Client-Server)

Retail Price: SU: \$325/CS: \$585

Contact: IBM rep or dealer

Phone: (800) IBM-CALL

Fax: (404) 238-3442

Int'l Contact: Jany Dumaz-Hanssen

Int'l Phone: +49 7031 16 6635

Int'l Fax: +49 7031 16 6440

Available: 9/24/93

Advanced information retrieval featuring "linguistically fuzzy" full-text search for office documents or non-text objects by means of their textual description or content.

SearchManager/2 is IBM's advanced information retrieval solution for the OS/2 V2 environment. It provides advanced information retrieval of office documents and non-text objects via text. It features "linguistically fuzzy" full-text indexing, search and retrieval with an object-oriented (drag-and-drop) graphical user interface. SearchManager/2 supports a wide variety of office document formats, including WordPerfect, MS Word, AmiPro, IBM RFT, ASCII flat files, Lotus Notes (and DB2/2 via a sample program). Hypermedia tag support allows retrieval and presentation/playback of images, graphics, video clips, audio clips, etc., by means of user exit programs. Finding your office documents and non-text objects on your multi-hundred-megabyte hard disk has never been easier or surer.

Software Installer for OS/2

IBM Corporation

11000 Regency Parkway
Cary, NC 27512

Software Installer for OS/2

Retail Price: \$349 US

Contact: IBM Cary Customer Center

Phone: (800) IBM-CARY

Fax: (919) 469-7423

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: June 93

Software Installer for OS/2(TM) is a development tool for quickly building full-function, customized installation and maintenance programs for your applications.

Software Installer for OS/2(TM) is a development tool for quickly building customized installation programs for your applications. By using Software Installer you can eliminate the time spent writing your own installation code while still providing full-function installation and maintenance services with your product! You can install, update, restore and delete workstation products that you distribute on diskette CD-ROM or from MVS, OS/400(TM), VM, or VSE/ESA(TM) host systems. You can also enable your product for CD-enabled LAN installations. CID (Configuration, Installation and Distribution) allows you to use all of Software Installer's features in an unattended mode. With Software Installer you can install software on an individual workstation, a LAN connected to the workstation, or a combination of both.

InstallSHIELD

Stirling Technologies, Inc.

172 Old Mill Drive
Schaumburg, IL 60193

InstallSHIELD

Retail Price: \$595

Contact: Russ McNeilly

Phone: (800) 3-SHIELD, (708) 307-9197

Fax: (708) 307-9340

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

A full-featured installation program toolkit with data compression.

InstallSHIELD for OS/2 enables developers to create graphical, bullet-proof professional installation programs for applications in less than a few hours. It provides services for installing, updating and uninstalling application components of OS/2 applications that are installed from diskette, CD-ROM or LAN.

You can create completely interactive installations that let you ask the user for preferences and options at every step. Based on the user choices, you can selectively install your application customized to each user's needs. InstallScript, the powerful installation-smart script language, allows creation of a complete installation program in a matter of hours without any C programming. Built-in percent-complete feedback controls keep the user informed about the progress of the installation process.

High-performance data compression saves disk space. On-line help and instruction windows provide easy installation instructions to users. Automatically builds folders and icons, and provides complete support for Workplace Shell object installation. User DLLs can be called to implement specialized installation tasks. Provides functions to safely and intelligently modify system files such as CONFIG.SYS, add and delete information to OS2.INI file or a user INI file, and create and delete Workplace Shell objects.

ACUCOBOL(R)-85

Acucobol, Inc.

7950 Silverton Avenue
Suite 201
San Diego, CA 92126

ACUCOBOL (R) -85

Retail Price: Call

Contact: Denise Brown, Marketing Programs Manager

Phone: (619) 689-7220, (800) 262-6585

Fax: (619) 566-3071

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Ported to over 600 platforms, ACUCOBOL-85 Version 2 has 86 new features and produces compact, yet optimized, machine-independent object code. Users can develop sophisticated COBOL applications and execute them without recompiling on over 14 different operating systems.

ACUCOBOL-85 is the most portable COBOL compiler for microcomputers, minicomputers and mainframes that is available today. It produces remarkably compact, yet highly optimized, machine-independent object code. Users can develop sophisticated COBOL applications and execute them without recompiling on AIX, MS-DOS, NetBIOS, OS/2, ULTRIX, UNIX, XENIX, AOS and VM5 systems. Users can also take advantage of the over 3,000 powerful business applications already existing.

ACUCOBOL-85 is certifiable error-free for both the HIGH 1974 and HIGH Intermediate 1985 ANSI COBOL standards and is source-code compatible with RM/COBOL and VAX COBOL.

ALSYS ADA Software Development Environment for OS/2

ALSYS

10251 Vista Sorrento Parkway
Suite 300
San Diego, CA 92121

ALSYS ADA Software Development Environment for OS/2

Retail Price: Call

Contact: Sales

Phone: (800) 995-2579, (619) 457-2700

Fax: (619) 452-2117

Int'l Contact: Sales Dept.

Int'l Phone: +33 1 30 78 17 17

Int'l Fax: +33 1 39 18 26 80

Available: 2 Q 93

ALSYS ADA is a complete development environment including the 32-bit ADA compiler, binder and toolset, including the ADA probe debugger.

BABY/4XX

California Software Products, Inc.

525 N. Cabrillo Park Drive
Santa Ana, CA 92701

BABY/4XX

Retail Price: \$3,500

Contact: Kim Alexander, PR Officer

Phone: (714) 973-0440

Fax: (714) 558-9341

Int'l Contact: Elizabeth Richell

Int'l Phone:

Int'l Fax:

Available: Shipping

BABY/4XX Software Systems permit the development and execution of IBM AS/400 RPG/400 applications on OS/2 systems. BABY/4XX is offered in single-user, multiuser or LAN-compatible configurations, offering alternatives to the minicomputer with dramatically better performance for a fraction of the price. Users of BABY/4XX systems have full access to other OS/2, Windows and DOS applications such as word processors, spreadsheets, graphics packages and communications through OS/2's multitasking capabilities. BABY/4XX Software Systems also provide a cost-effective way to relieve heavy development loads or remote communication activity on host AS/400s.

BORLAND C++ for OS/2

Borland International

100 Borland Way
Scotts Valley, CA 95067

Borland C++ for OS/2

Retail Price: Call

Contact: Customer Support

Phone: (408) 461-9144

Fax:

Int'l Contact: Local Borland Office

Int'l Phone:

Int'l Fax:

Available: March 1993

Borland C++ is simply the world's best standard compiler and tools to quickly create fast, easy and powerful applications in C and C++ for OS/2.

Use Borland C++'s graphical Integrated Development Environment (IDE) to give you easy access to everything you need to build robust applications--fast! You can edit, compile, debug, and then run your application all from within Presentation Manager, so you save time and effort.

" New! Project Notebook organizer.

" Build and run your entire application from the IDE.

" Instant on-line help keeps you more productive.

" Color syntax highlighting for quick error detection and code readability.

Build powerful OS/2 applications today. Borland C++ now lets you tap the full power of OS/2. Included is full support for today's ANSI C and AT&T C++ language standards to take you into the future. Generate fast applications. Boost your application's performance immediately with Borland's state-of-the-art Optimizer. By taking advantage of OS/2's 32-bit architecture, Borland C++ lets you build multitasking applications that defy current speed limits. Your applications run better and faster than ever before! Borland C++ radically simplifies complex tasks by giving you a complete set of tools and libraries. Now you can create applications beyond expectations!

" New! Turbo Debugger GX.

" New! 32-bit Turbo Assembler.

" Resource Workshop to visually design your user interfaces.

One-stop development environment, industry-standard language, performance gains,
and the best tools in the business.

C Compilers

2500AD Software, Inc.

109 Brookdale Avenue
P.O. Box 480
Buena Vista, CO 81211

C Compilers

Retail Price: Call

Contact: Vicky Boske

Phone: (719) 395-8683, (800) 843-8144

Fax: (719) 395-8206

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The 2500AD C Compiler includes an Assembler, Linker, Librarian, High Level Simulator/Debugger and Object Libraries.

The C Compiler enables the user to write programs for microprocessors using the C programming language.

A complete selection of Libraries is included which allow for full character, integer, long, single- and double-precision floating-point math. In-line Assembly language may be used for time-critical sections. The Librarian program allows the user to add routines to existing libraries and create new libraries. These may be either C functions or Assembly-language subroutines. All floating-point operations interface to the actual floating point routines through an Assembly language interface. Source code to this interface is included to simplify the incorporation of a floating-point coprocessor.

Developer Kit for C

XVT Software Inc.

4900 Pearl East Circle
Boulder, CO 80301

Developer Kit for C

Retail Price: \$1,450

Contact: Sales

Phone: (303) 443-4223, (800) 678-7988

Fax: (303) 443-0969

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The XVT Developer Kit for C consists of XVT-Design(TM) and the XVT Portability Toolkit(TM) which allows you to port your GUI application to seven different GUIs on over 30 hardware platforms. XVT Design is a GUI design, layout and prototyping tool that generates XVT Portability Toolkit-compatible C source code, application resources, and makefiles. The Portability Toolkit then implements the portable XVT programmer interface over native GUI functionality, achieving native look-and-feel, low overhead, application interoperability, and access to native toolkits as required. XVT Development Kit for C includes XVT-Design and XVT Portability Toolkit. It comes complete with documentation, six months' unlimited customer support, consulting and training, and an extensive Partners Program offering powerful add-on and complementary products. Together they ensure your success at creating and maintaining a single-source application on multiple GUIs without royalties or runtime fees.

Developer Kit for C++

XVT Software Inc.

4900 Pearl East Circle
Boulder, CO 80301

Developer Kit for C++

Retail Price: \$1950.00

Contact: Sales

Phone: (303) 443-4223, (800) 678-7988

Fax: (303) 443-0969

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

XVT Developer Kit for C++ include XVT-Power++, a new object-oriented application framework, and the XVT Portability Toolkit.

XVT-Power++ is an object-oriented application framework specifically designed for GUI development using C++. With this portable class library, application programmers can produce extensive graphical applications in relatively few lines of code.

XVT-Power++ application framework consists of a broad hierarchy, or tree of classes. Each element has a defined role in building an application's GUI interface, and all objects communicate according to a set of standard rules. Key to its utility, the framework simplifies application design by encapsulating many of the tasks that make up a program. GUI components such as scrollers, list boxes, text fields, grids, user-sizable objects, and buttons are predefined and may be assembled to create more sophisticated functionality.

Fortran90 Plus Compiler Mark 0.8

N.A. Software Ltd.

Roscoe House, 62 Roscoe Street
Liverpool, England L1 9DW

Fortran90 Plus Compiler Mark 0.8

Retail Price: from £195

Contact: Yvette Gray

Phone: +44 51 7094738

Fax: +44 51 7095645

Int'l Contact: Yvette Gray

Int'l Phone: +44 (0)51 7094738

Int'l Fax:

Available:

This release of the N.A. Software Fortran90 Plus compiler provides a full implementation of all the modern programming concepts in Fortran90. These include array syntax, modules, pointers, enhanced control structures and procedure facilities, user-defined types and operators. Extensions to provide multi-threading and other capabilities are scheduled for Mark 1.0. Version 0.8 of the compiler accepts both free-format and Fortran77 fixed-format input forms. The compiler generates clear, concise error messages to aid users in the diagnosis and correction of programming errors. It includes the optional run-time checking of array bounds and pointer association, and source-level debugging support. Fully automatic garbage collection is also provided to support the new array and pointer constructs. Key features are: Efficient code generation, free-form source input, full array operations, derived types, recursion, pointers and dynamically allocatable storage, records and user-defined types, improved input/output facilities, an enhanced intrinsic library, new control constructs, optional arguments for procedures, and modules for re-usable code.

The operating environment includes full support for Fortran90 modules, an easy-to-use interactive debugger (SPY) and an automatic recompilation tool which determines order dependencies based upon information contained in the Fortran90 libraries. This allows developers to recompile only those program units that have been affected as a result of a source-code change, modification or addition.

Supplied with a complete set of documentation and a full-length tutorial to the Fortran90 language and the Fortran90 Plus extension, the compiler requires a minimum of 4MB RAM, 4MB disk space and OS/2 version 2.0 or later. The

introductory price of £195 for version 0.8 is fully redeemable against the upgrade to version 1.0 available in April '94.

Glockenspiel C++

ImageSoft, Inc.

2 Haven Avenue
Port Washington, NY 11050

Glockenspiel C++

Retail Price: \$499

Contact: Sales

Phone: (516) 767-2233, (800) 245-8840

Fax: (516) 767-9067

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Glockenspiel C++ is based on the AT& T standard C++ and provides the developer with a comprehensive and robust development environment for OS/2, DOS, and UNIX.

Glockenspiel C++ delivers the C++ language standard. Field-proven, Glockenspiel C++ was first shipped in 1986. Its large installed base helps to ensure the most experienced implementation. With Glockenspiel C++ the developer enjoys designed-in quality assurance, code re-usability, and strong type-checking.

IBM C Set ++ for OS/2

IBM Corporation

844 Don Mills Road, Stn 22, Dept. 394
North York, Ontario Canada M3C 1V7

IBM C Set ++ for OS/2

Retail Price: \$695 (US MSLP) 3.5'' Diskettes

Contact: IBM Direct

Phone: (800) 426-2968, (800) 426-2255, (800) 342-6672

Fax: (416) 448-6057

Int'l Contact:

In Europe, the Middle East, Africa, and Latin America, operators
(in Copenhagen, Denmark) speaking the following languages are
available:

Int'l Phone:

Dutch	+45 48101400	Italian	+45 48101600
English	+45 48101500	Spanish	+45 48101100
French	+45 48101200	Telefax	+45 48102207
German	+45 48101000		

Int'l Fax:

Available:

A state-of-the-art integrated C and C++ development environment, C Set ++ for OS/2 provides everything you need to create object-oriented OS/2 applications.

The C Set ++ for OS/2 product includes the IBM standard-setting 32-bit C and C++ compiler, featuring emerging ANSI-standard exception handling and template support, and code optimization algorithms second to none in the industry. The C Set ++ product features a graphical C++ class browser, a comprehensive suite of C++ class libraries (including the User Interface Class Library for PM with new DragDrop classes!), a visual PM-based debugger with multi-thread debug capability, an execution trace analyser to help fine-tune programs, the OS/2 Developer's Toolkit V2.1 (including the Multimedia Presentation Manager Toolkit/2), and the all new WorkFrame/2 V2.1--the first development environment to fully exploit the WPS. Also in this package is a specially tailored GUI-builder tool created by Kaseworks. This visual design tool generates both C and C++ code to exploit the C Set ++ PM User Interface Class Library. All of this is backed up by IBM's legendary service and support--bringing mainframe service and support standards to the workstation. Call for your copy today! Professional developers may require the additional features of C Set ++ V2.2, which includes high-end tools, optimization, and full support and service.

IBM C Set ++ FirstStep

IBM Corporation

844 Don Mills Road, Stn 22, Dept. 394
North York, Ontario, Canada M3C 1V7

IBM C Set ++ FirstStep

Retail Price: \$149 (US MSLP) 3.5'' Diskettes

Contact: IBM Direct

Phone: (800) 426-2968, (800) 426-2255, (800) 342-6672

Fax: (416) 448-6057

Int'l Contact:

In Europe, the Middle East, Africa, and Latin America, operators
(in Copenhagen, Denmark) speaking the following languages are
available:

Int'l Phone:

Dutch	+45 48101400	Italian	+45 48101600
English	+45 48101500	Spanish	+45 48101100
French	+45 48101200	Telefax	+45 48102207
German	+45 48101000		

Int'l Fax:

Available:

IBM C Set ++ FirstStep is the ideal object-oriented development environment for value-conscious C and C++ developers.

If you're looking for an easy way to get started in C and C++, C Set ++ FirstStep is for you. It's a slimmed-down version of C Set ++ at a lower price. You get:

- “ the same compiler/debugger tools as C Set ++ V2.1, except for optimization

- “ three class libraries

- “ standard classes (task, IOstream, complex)

- “ collection classes

- “ application support classes (date, string, time)

- “ OS/2 Developer's Toolkit (includes independent build and productivity tools designed to help you make full use of the OS/2 V2.1 Application Programming Interfaces (APIs), and the Multimedia Presentation Manager Toolkit/2)

- “ WorkFrame/2 V1.1

Embark on your C and C++ programming with C Set ++ FirstStep. Call for your copy today!

IBM PL/I Workstation/2

IBM Corporation

555 Bailey Avenue
San Jose, CA 95161-9023

IBM PL/I Workstation/2

Retail Price: \$495

Contact:

Phone: (800) IBM-4STL

Fax: (800) 343-5832, (408) 463-2629

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

IBM PL/I Workstation/2 is a compiler/library which supports OS/2 application development on a stand-alone machine.

PL/I Workstation/2 allows you to produce 32-bit OS/2 applications using the outstanding features provided by the PL/I language. These features include:

- " String handling for business applications
- " Floating-point and complex arithmetic for engineering applications
- " Pointer arithmetic and bit manipulation for systems programming
- " Advanced error-handling facility to catch and allow recovery from systems errors as well as common programming errors, such as subscripts or substrings that are out of range.

PL/I Workstation/2 includes a number of usability features to aid in the development of workstation applications. They include:

- " Support for WorkFrame/2, a compile-edit shell with an auto-make facility
- " Automatic support for directing input and output to and from Presentation Manager windows
- " The ability to tailor the product to fit your needs through compiler options and a compiler user exit

" Support for all 32-bit interprocedure calling conventions which allows PL/I programs to call C routines.

INGRES/Embedded SQL/C

The ASK Group

1080 Marina Village Parkway
Alameda, CA 94501-1041

INGRES/Embedded SQL/C

Retail Price:

Contact:

Phone: (800) 4-INGRES, (510) 769-1400

Fax: (510) 748-2545

Int'l Contact: International Region

Int'l Phone: +44 71 416 7770

Int'l Fax:

Available:

The INGRES/Embedded SQL for C programming kit combines the flexibility of the C programming language with the ASK Group's advanced application development tools. Database programs and other C programs can directly interface with INGRES(TM) databases.

You can enter SQL interactively to directly manipulate data in INGRES databases. Additionally, on the PC or a networked computer, you can transparently embed SQL commands in your C programs to make calls to INGRES, INGRES/Net, INGRES/Gateways databases, servers, or other programs.

INGRES/Embedded SQL for C speeds development dramatically. To make programming more efficient, the product includes complete libraries for database access and memory management in your C language programs. You may link existing applications to INGRES by including calls to other programs.

INGRES/Embedded SQL for C enables you to fully compile applications to object code. The applications automatically take advantage of extended memory.

Macro Cross Assembler

2500AD Software, Inc.

109 Brookdale Avenue
P.O. Box 480
Buena Vista, CO 81211

Macro Cross Assembler

Retail Price: Call

Contact: Vicky Boske

Phone: (719) 395-8683, (800) 843-8144

Fax: (719) 395-8206

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The 2500AD Macro Cross Assembler enables the user to write programs which can be assembled into relocatable object code and linked to the desired execution address using the Linker.

The Assemblers have built-in Cross Reference, which includes an Alphabetized Symbol Table. The Symbol Table tells the line number on which the label is defined, the value and all the line numbers where the label is referenced.

The Linker generates Binary, Executable, intel Hex, Extended intel Hex, Tektronix Hex, Motorola S19, S28 and S37 code files. The Linker creates Extended Microtek Global, Rockwell and Zax Symbol Tables.

Micro Focus Software Development Kit

Micro Focus

2465 East Bayshore Road
Suite 400
Palo Alto, CA 94303

Micro Focus Software Development Kit

Retail Price:

Contact: Sales Dept.

Phone: (800) 872-6265, (415) 856-4161

Fax: (415) 856-6134

Int'l Contact: Sales

Int'l Phone: +44 635 32646

Int'l Fax:

Available:

The Micro Focus SDK includes the Micro Focus COBOL(TM) compiler and a number of development, debugging and packaging tools, all within an integrated environment. The compiler supports the higher level of ANSI-standard COBOL syntax, along with many other syntax variants, including those of IBM's mainframe COBOL compilers.

The SDK will be supported for development purposes only. It is intended that production applications be deployed once full release versions of the components within the SDK are released.

Micro Focus COBOL(TM) is a complete compiler product for developers. It contains the industry-leading PC COBOL compiler and code debugger (Animator). It is available on DOS, OS/2 and major UNIX environments.

NDP C/C++ for OS/2

Microway

P.O. Box 79
Kingston, MA 02364

NDP C/C++ for OS/2

Retail Price: \$595

Contact: Nina Nitroy, Technical Support Representative

Phone: (508) 746-7341

Fax: (508) 746-4678

Int'l Contact: NDP Services

Int'l Phone: +44 81 5415466

Int'l Fax: +44 81 546 0614

Available: Currently shipping

NDP C/C++ is a fully optimized 32-bit compiler for OS/2. It offers compatibility with the IBM WorkFrame, IBM C Set, NDP FORTRAN and NDP Pascal.

NDP C/C++ is a full AT&T 2.1-compliant C++ compiler that has been on the DOS market for over a year. It is a true compiler that also translates the ANSI and K&R dialects of C as validated by Plum Hall. In addition to making it possible to build mixed applications which call FORTRAN or Pascal from C or C++, this product provides numeric optimizations not usually found in C compilers, such as loop unrolling and register caching. Running on OS/2, C/C++ can directly call the OS/2 32-bit API using conventions identical to those used by IBM C Set. Like all NDP translators, C/C++ includes a built-in intelligent assembler. Validation suites for C/C++ include Plum Hall, C Front, and Rogue Wave. The NDP OS/2 Developer's Pack includes the NDP C/C++ OS/2 compiler, the IBM OS/2 Toolkit, and the IBM WorkFrame.

NDP FORTRAN for OS/2

Microway

P.O. Box 79
Kingston, MA 02364

NDP FORTRAN for OS/2

Retail Price: \$595

Contact: Nina Nitroy, Technical Support Representative

Phone: (508) 746-7341

Fax: (508) 746-4678

Int'l Contact: NDP Services

Int'l Phone: +44 81 5415466

Int'l Fax: +44 81 546 0614

Available: Currently shipping

NDP FORTRAN is a full 32-bit, highly optimized implementation of FORTRAN 77 (FORTRAN 90 is also available) with VMS, BSD 4.2, FORTRAN-66, DOD, and MS FORTRAN extensions.

The first 32-bit FORTRAN on the 386 market, NDP FORTRAN is the industry leader in code generation quality. In addition to offering the standard global optimizations performed by a number of C compilers, it adds optimizations not found in these products which improve numeric-intensive applications. These include special optimizations for the Intel 387/487/860 and Pentium relating to storage allocation and inline execution of intrinsic functions. Validation codes for NDP FORTRAN include the Dept. of Commerce Test Suite and the NAG, IMSL, and LAPACK libraries, all of which are also available for OS/2 from Microway. NDP FORTRAN is a full F77 with VMS, VS, and MS extensions. NDP FORTRAN is 100% compatible with the IBM C Set compiler, Toolkit, and WorkFrame. The NDP OS/2 Developer's Pack includes the NDP FORTRAN OS/2 compiler, the IBM OS/2 Toolkit, and the IBM WorkFrame. NDP FORTRAN 90 version is the first full FORTRAN 90 compiler available for the PC market.

NDP Pascal for OS/2

Microway

P.O. Box 79
Kingston, MA 02364

NDP Pascal for OS/2

Retail Price: \$595

Contact: Nina Nitroy, Technical Support Representative

Phone: (508) 746-7341

Fax: (508) 746-4678

Int'l Contact: NDP Services

Int'l Phone: +44 81 5415466

Int'l Fax: +44 81 546 0614

Available: Currently shipping

NDP Pascal is a fully optimized implementation of standard Pascal with several extensions. It is compatible with IBM WorkFrame, IBM C Set, and NDP FORTRAN and NDF C/C++.

NDP Pascal implements the ANSI/IEEE standard 770X3, 97-1983, a superset of Niklaus Wirth's Pascal. It includes several extensions from Berkeley 4.2 BSD Pascal and the British Standards Institute (BSI) Level 0, a preprocessor, separate compilation of modules, and interfaces to the Microway C library.

PDC Prolog

Prolog Development Center A/S

H.J. Holstvej 5A
DK-2605 Broendby, Denmark

PDC Prolog

Retail Price: DKK 1990

Contact: Carsten Christoffersen

Phone: +45 36 72 1022

Fax: +45 36 72 0269

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/10/93

PDC Prolog is well established as a comprehensive development environment suitable for creating both general-purpose applications and knowledge-based applications. PDC Prolog's efficiency comes from the high level of abstraction and the ease and simplicity with which complex data structures can benefit any discipline or problem-solving strategy. A rich collection of software tools increase this efficiency even further.

Procyon Common Lisp

Procyon Research

St. John's Innovation Centre, Cowley Road
Cambridge, United Kingdom CB4 4WS

Procyon Common Lisp

Retail Price: \$1300

Contact: N. Duncan

Phone: +44 223 421221

Fax: +44 223 421218

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

A fast, compact, rich portable Lisp development environment. Procyon is an ANSI-standard implementation of Lisp which runs on standard PCs. Easily portable between OS/2, Macintosh and Windows 3.

In 1989, Procyon developed the world's first implementation of CLOS. Since that time, this complete development environment has been extended and enhanced to provide an unparalleled platform for software developers.

Procyon enables complex graphical programs to be developed without needing to know the underlying windowing system.

One set of source code is all you need. Because of its portable structure and CLOS, Procyon developers need only maintain one set of source code and simply recompile on a compatible Procyon system in order to produce an application having the look and feel of the new windowing system.

Procyon provides full access to all OS/2 and Presentation Manager functions. DDE and Foreign Function interface allow Procyon to interact with other programs.

The heart of Procyon is perhaps the fastest implementation of Common Lisp available, including Generational Garbage Collector and Runtime Generator. Double-clickable applications can be produced to run in as little as 2 MB.

PROMULA FORTRAN Compiler

PROMULA Development Corporation

3620 North High Street
Suite 301
Columbus, OH 43214

PROMULA FORTRAN Compiler

Retail Price: \$495-\$4,495

Contact: George E. Juras, President

Phone: (614) 263-5454

Fax: (614) 263-5573

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Currently shipping

The PROMULA FORTRAN Compiler is a fully-featured FORTRAN compiler for UNIX, DOS, OS/2, and other systems. It handles both FORTRAN 66 and FORTRAN 77 standard codes as well as many FORTRAN dialects -- e.g., VAX, PRIME, PDP, IBM and SUN. It works by compiling FORTRAN to C and uses a C compiler to produce optimized executable code. It has an extensive FORTRAN runtime library which can be linked with other C-based libraries to produce FORTRAN applications that take advantage of the full functionality of C-based platforms. The compiler is fully compatible with the PROMULA FORTRAN to C Translator, which is intended for use by those who wish to migrate from FORTRAN to C.

PROMULA FORTRAN to C Translator

PROMULA Development Corporation

3620 North High Street
Suite 301
Columbus, OH 43214

PROMULA FORTRAN to C Translator

Retail Price: \$995-\$6,995

Contact: George E. Juras President

Phone: (614) 263-5454

Fax: (614) 263-5573

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Currently shipping

The PROMULA FORTRAN to C Translator converts FORTRAN source code to correct (compilable) and clean (readable and maintainable) C source code. It has an extensive FORTRAN runtime library and achieves 100 percent conversion rates routinely for both standard (FORTRAN 66 or FORTRAN 77) and extended FORTRAN dialects (VAX, PRIME, PDP, SUN, IBM, etc.). The conversions yield reproducible results and are repeatable and verifiable. Ideal tool for porting FORTRAN applications to other C-based platforms. Fully compatible with the PROMULA FORTRAN Compiler.

Softbridge BASIC Language

Softbridge, Inc.

125 Cambridge Park Drive
Cambridge, MA 02140

Softbridge BASIC Language

Retail Price: Call

Contact: Jerry Bedrick, General Manager

Phone: (800) 955-9190, (617) 576-2257

Fax: (617) 864-7747

Int'l Contact: David Stockey

Int'l Phone: (617) 576-2257, Ext. 418

Int'l Fax:

Available: First Quarter 1993

The Softbridge BASIC Language (SBL) is an embeddable version of BASIC that provides the advantages of a standard scripting language, without the costs of building one.

The Softbridge BASIC Language (SBL) is an embeddable version of BASIC, conforming to Visual BASIC, designed for integration into OS/2 and Windows apps. SBL is licensed to software developers building end-user applications, as well as to those building specialized process control and CAM applications. Implemented as a DLL, SBL's full-featured API lets it become a seamless extension of any OS/2 or Windows application. The SBL language features external DLL support; the ability to construct dialog boxes; BASIC language access to application menus, dialog boxes, and abstract data objects; and direct mapping of BASIC records and fixed-length arrays to C structures and pointers. SBL's API features are tailored so that SBL looks and feels like an integral part of that application. Among other API features, SBL allows an app to redirect file I/O, allowing BASIC source code and executables to be embedded into application data structures. The SBL API defines a complete set of functions for constructing a debugger, and a complete BASIC .hlp file for integration into an app's help system.

UCSD Pascal

Cabot Software

The Vicarage, Stoke View Road
Bristol, United Kingdom BS16 3AE

UCSD Pascal

Retail Price: \$299

Contact: G. Wilkie

Phone: +44 272 586644

Fax: +44 272 586650

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The Power System -- The 32-bit Power system is a fully equipped integrated development environment (IDE) with built-in, user-friendly windowing facilities. The IDE is complemented with a full set of programmer's toolsets and industry-standard interfaces. Compiler languages supported are UCSD Pascal, Modula-2, FORTRAN 77 as well as assemblers. (Modula-3 compiler currently under development with Cambridge University).

The range of compiler languages gives you all the tools you need to design, develop, debug and deliver open systems applications.

Portability -- The Power system software tools allow the developer to quickly write superb, robust applications. Thanks to the modular, open architecture of your package and the p-code format produced by the compilers, your work can be ported to a wide range of hardware and operating systems without modifying your core code.

The Power system is available for MS DOS, DR Multi-user DOS, SCO Unix, Interactive Unix, Unix variations, Apple Mac, DEC VAX, OS/2, CPM, and Novell, and current developments include IBM RS/6000 and AS/400.

WATCOM C/C++32

WATCOM

415 Phillip Street
Waterloo, Ontario, Canada N2L 3X2

WATCOM C/C++32

Retail Price: \$599.00

Contact: Grace Welch, Marketing Specialist

Phone: (800) 265-4555, (519) 886-3700

Fax: (519) 747-4971

Int'l Contact: WATCOM Europe

Int'l Phone: +44 506 460112

Int'l Fax:

Available: June 1993

WATCOM C/C++32 is a professional 32-bit multi-platform compiler supporting OS/2 2.x, extended DOS, Novell NLMS, Windows 3.x, Windows NT and Win32s. The comprehensive toolset includes: debugger, profiler, C compiler, C++ compiler, linker, licensed components from the IBM OS/2 2.1 Toolkit, Windows 3.1 SDK and NetWare 4.0 SDK, and more.

C/C++32 is a professional, high-performance 32-bit C and C++ compiler and tools package for extended OS/2 2.x, extended DOS, Novell NLM, Windows NT, Win32s and 32-bit Windows 3.x. The C++ compiler provides comprehensive support for the AT&T version 3.0 language including templates, plus exception handling. New superscalar optimization strategy uses "riscification" and instruction scheduling to deliver improved performance on 486 and Pentium processors. The compiler can create a single, high-performance executable that runs on 386, 486 and Pentium processors. In a single package, C/C++32 supports a wide range of 32-bit Intel x86 host and target platforms, allowing professional developers to leverage the cross-development capabilities of today's operating environments including OS/2 2.x and Windows NT. The toolset including optimizing C and C++ compilers, debugger, profiler, royalty-free DOS extender with 32-meg VMM support, licensed components of the Microsoft Windows 3.1 SDK, OS/2 2.1 Toolkit and NetWare 4.0 SDK, and much more.

WATCOM FORTRAN 77<32>

WATCOM

415 Phillip Street
Waterloo, Ontario, Canada N2L 3X2

WATCOM FORTRAN 77<32>

Retail Price: \$599.00

Contact:

Phone: (800) 265-4555, (519) 886-3700

Fax: (519) 747-4971

Int'l Contact: WATCOM Europe

Int'l Phone: +44 506 460112

Int'l Fax:

Available: June, 1993

WATCOM FORTRAN 77<32> is a professional 32-bit multi-platform compiler supporting OS/2 2.x, extended DOS, Novell NLMS, Windows 3.x, Windows NT and Win32s. The comprehensive toolset includes: debugger, profiler, compiler, linker, licensed components from the IBM OS/2 2.1 Toolkit, Windows 3.1 SDK and NetWare 4.0 SDK, and more.

F77<32> is a 32-bit FORTRAN compiler and tools package for extended OS/2 2.x, extended DOS, Novell NLMS, Windows NT, 32-bit Windows 3.x and Win32s. The hot, new F77<32> code generator advances the performance envelope. New superscalar optimization strategy uses "riscification" and instruction scheduling to deliver improved performance on 486 and Pentium processors. The compiler can create a single, high-performance executable that runs on 386, 486 and Pentium processors. To ease porting of existing code from other platforms, F77<32> has been enhanced with VAX, FORTRAN 90, Microsoft and IBM VS language extensions. F77<32> supports the full FORTRAN 77 ANSI standard and is compatible with IBM's SAA FORTRAN language definition. F77<32> is run-time compatible with WATCOM C/C++32, enabling you to create mixed-language applications. F77<32> includes a comprehensive toolset including optimizing compiler, linker, debugger, profiler, royalty-free DOS extender with 32-meg VMM support, licensed components of the Microsoft 3.1 SDK, OS/2 2.1 Toolkit and NetWare 4.0 SDK, and much more.

Zortech C++ for IBM OS/2 2.0

Symantec Corporation

10201 Torre Avenue
Cupertino, CA 95014

Zortech C++ for IBM OS/2 2.0

Retail Price: \$499

Contact: US Sales & Customer Service

Phone: (800) 441-7234

Fax: (800) 554-1438

Int'l Contact:

Int'l Phone: (508) 334-6054

Int'l Fax: (508) 334-7400

Available: 11/92

Zortech C++ for OS/2 2.0 offers optimized, native 32-bit code generation and a nature global optimizer for large, fast programs. Tight integration with IBM WorkFrame/2 allows use of graphical project organization capability.

Zortech C++ is a high-performance 32-bit compiler that delivers fast, professional-quality C++ code for IBM OS/2 2.0. Zortech's advanced optimizing technology offers data-flow analysis, dead code elimination, register allocation by coloring, and loop invariant removal. It offers full support for C++ and ANSI C, and conforms to AT&T 3.0 CFront 3.0 standards for C++, including complete support for precompiled headers, nested classes and templates. Zortech C++ is designed to be used in conjunction with the IBM OS/2 2.0 Developer's Toolkit, the IBM C Set/2 debugger for 32-bit Presentation Manager hosted debugging, and the IBM WorkFrame/2. With the WorkFrame/2 you get full access to all compiler and linker features from the Presentation Manager hosted environment as well as automated project-management facilities. Zortech C++ is the only compiler that conforms to the IEEE-754 floating-point standards and the NCEG 91-015 draft for numerical extensions, including support for controlling calculations, precision infinities, NaNs, linking to FORTRAN code, rounding effects and more. Zortech C++ comes with a complete set of libraries including ANSI-standard libraries and C++ Tools, a class library for handling a variety of data types such as lists, hash tables and arrays. All Zortech libraries offer multithread support and double-byte character support, and come with complete source code.

Multimedia

h3. Color Tools

Time Arts

1425 Corporate Center Parkway
Santa Rosa, CA 95407-5434

Color Tools

Retail Price: \$249.00

Contact: Ultimedia Tools Series

Phone: (800) 887-7771, (707) 576-7722

Fax: (800) 887-7772, (707) 576-7731

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Color Tools is a complete graphics solution for multimedia presentations. With Color Tools, users can create thought-provoking screen designs, exciting image elements, backgrounds and attractive buttons and icons. It provides a comprehensive set of line-drawing tools, paint and effect brushes, and enhancement capabilities for all types of presentation screens, information displays, training applications and more.

MEDIAscript OS/2 Desktop Edition

Network Technology Corporation

P.O. Box 240

Dobbs Ferry, NY 10522-0240

MEDIAscript OS/2 Desktop Edition

Retail Price: \$895.00

Contact: Sales

Phone: (914) 478-4500

Fax: (914) 478-4507

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Since late 1991

The MEDIAscript OS/2 Desktop Edition is designed for use by non-programmers who wish to create multimedia presentations, author desktop training applications, create interactive kiosks, and produce interactive desktop video productions. It contains a full set of capture tools for digital images, audio, video, and animation. MEDIAscript fully supports OS/2s multimedia extensions (MMPM/2) for wave audio, MIDI, CD Audio, software video, and overlay devices. It also provides the full capabilities of ActionMedia II DVI desktop video to developers.

MEDIAscript provides a visual design environment where multimedia objects and icons are used to create multimedia applications. All user interaction is with multimedia objects on the screen, and there is no need to learn a scripting language. Developers create interactive desktop video projects from a rich set of multimedia objects which include text, data, images, transitions, graphics, animation, audio, and full-motion video. MEDIAscript is easy to use and learn, but has the power to create very sophisticated multimedia applications.

MEDIAscript's open architecture enables developers to make use of a rich set of multimedia resources including audio, video, animation, and images. It supports resolution independence and allows applications to be authored at 640x480, 1024x768, 1280x1024, 1600x1200, and other resolutions.

MEDIAscript OS/2 Professional Edition 2.0

Network Technology Corporation

P.O. Box 240

Dobbs Ferry, NY 10522-0240

MEDIAscript OS/2 Professional Edition 2.0

Retail Price: \$3,995.00

Contact: Sales

Phone: (914) 478-4500

Fax: (914) 478-4507

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Since early 1992

The MEDIAscript OS/2 Professional Edition is designed for use by developers of commercial multimedia titles and in-house desktop multimedia applications. It is widely used by multimedia developers who wish to create sophisticated multimedia presentations, author desktop industrial and office-training applications, create interactive information kiosks and point-of-sale terminals, and produce compelling desktop video productions. It contains a full set of capture tools for digital images, audio, and animation and source code to enable developers to include capture functions in their applications. MEDIAscript fully supports OS/2s multimedia extensions (MMPM/2) for wave audio, MIDI, CD Audio, software video, and overlay devices. It also provides the full capabilities of ActionMedia II DVI desktop video to developers.

The MEDIAscript OS/2 Professional Edition includes the following components:

- MEDIAscript OS/2 Professional Edition user interface software
- MEDIAscript DOS Application Design Tools
- MEDIAscript DOS Showcase Demonstration CD-ROM Disc
- MEDIAsounds DOS Digital Sound Effects Library CD-ROM Disc
- MEDIAsounds DOS Digital Sound Effects Library CD-ROM

The MEDIAscript OS/2 Professional Edition provides, in addition to the visual design environment (employing multimedia objects and icons), a powerful applications. It also includes a Language Syntax References Document which describes the details of the dialects of the MEDIAscript multimedia scripting language.

MEDIAscript's open architecture enables developers to make use of a rich set of multimedia resources, and it supports resolution independence and allows applications to be authored at 640x480, 1024x768, 1280x1024, 1600x1200, and other resolutions.

MEDIAscript OS/2 Publisher Edition

Network Technology Corporation

P.O. Box 240

Dobbs Ferry, NY 10522-0240

MEDIAscript OS/2 Publisher Edition

Retail Price: \$7,995

Contact: Sales

Phone: (914) 478-4500

Fax: (914) 478-4507

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Shipping 2/93

The MEDIAscript Publisher Edition is a complete set of multimedia design tools for creation and publishing multimedia titles and applications. It contains a full set of desktop video capture, editing, authoring, and CD-WO publishing capabilities.

The MEDIAscript OS/2 Publisher Edition is designed for developers of commercial multimedia titles and in-house applications who require access to the full capabilities of MMPPM/2 and ActionMedia2 technology but want to program with a high-level scripting language and want to create their own CD-ROMs on the desktop. It includes a write-once CD recorder and the necessary software to create ISO-9660 CD-ROM discs. This exciting new product includes the MEDIAscript DOS, OS/2 Desktop, and OS/2 Professional products. It provides additional capabilities for tool-building, and includes the source code for tools, editors, and desktop interfaces. Updates to the product over the next year will include a MEDIAarchiving interface, MEDIAconferencing capabilities, and a communications API for collaborative workgroup activities over LAN and ISDN networks. Many types of interactive multimedia applications can be built, including presentations, desktop training, information kiosks, and other advanced digital audio and video applications. The MEDIAscript Publisher authoring environment employs both a visual programming metaphor using multimedia objects to quickly prototype and implement sophisticated desktop applications and a powerful scripting language which makes it possible to control and access multimedia hardware and software capabilities with simple commands. It includes tools for still image, JPEG, digital audio, and full-motion video capture and editing.

MultiMaster

Commix SP Incorporated

8201 Greensboro Drive
Suite 451
McLean, VA 22102

MultiMaster

Retail Price: \$195.00

Contact: Judith A. Mezzullo, Exec VP--Sales and Marketing

Phone: (703) 356-9858, (800) 2COMMIX

Fax: (703) 356-6148

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: November

MultiMaster(TM) is a tool that enables end users to develop multimedia databases that contain, in addition to text and/or graphics, various image types, audio and full-motion video.

Highlights:

- " Reads Kodak Photo CD images directly into OS/2 without use of Windows.
- " Ability to catalog and retrieve images in an easy-to-use format.
- " Images grouped into an album layout.
- " Images, audio and video can be hyper-linked together.
- " Database can be exported to Windows, Macintosh, dial-up and CD-I runtime programs.
- " Requires no programming.

Product features:

- " The user can switch between a PM window and an aesthetically pleasing full-screen session.
- " Based upon the user's layout of images, the program resizes the images for optimal storage.

- “ Automatically selects the correct Kodak Photo CD resolution.
- “ Data and design security available when exporting runtime licenses.
- “ Supports multiple resolutions.

MultiMedia DeskTop

DATALUS, Inc.

4767 Okemos Road
Okemos, MI 48864

MultiMedia DeskTop

Retail Price: \$395

Contact: Sales Department

Phone: (517) 347-1333

Fax: (517) 347-2466

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

MultiMedia DeskTop was developed by Datalus, Inc. to take advantage of IBM's powerful Personal System/2(R) (PS/2(R)) and the Operating System/2(R) (OS/2(R)) Version 2.x. An electronic book written in the ToolBook(TM) OpenScript language, MultiMedia DeskTop provides dynamic linking for the ActionMedia II(TM) card. Interactive presentations are created entirely in Asymmetrix ToolBook(TM).

With MultiMedia DeskTop, every piece of the interactive presentation resides on the system's hard drive. Everything is changeable. Video, audio, stills, graphics and text can all be modified in real time.

MultiMedia DeskTop takes an intuitive approach to building an interactive presentation. Using this structure, any type of interactive presentation can be accommodated. Because MultiMedia DeskTop provides a technique for defining the flow and content of a presentation, the developer can concentrate on creative ideas, rather than getting bogged down in the mechanics of details. Interactives are simple to change and amend with MultiMedia DeskTop; and, because the tool is so well designed, even people who use it intermittently will find it easy to pick up where they left off. The MultiMedia DeskTop is designed to facilitate a group effort; different individuals may work on different phases of development.

Multimedia Presentation Manager Toolkit/2

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

Multimedia Presentation Manager Toolkit/2

Retail Price: \$199

Contact: IBM OS/2 Order Center

Phone: (800) 3IBM-OS2

Fax: (407) 443-6824

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The Multimedia Presentation Manager Toolkit/2 can be used to create new and exciting multimedia applications that include voice, music, CD digital audio, images, and graphics.

Multimedia Presentation Manager/2 (MMPM/2) provides the extensions to OS/2 2.x on which to run the ever growing array of exciting multimedia application programs. Use the Multimedia Presentation Manager Toolkit/2 to create new and exciting multimedia applications that include voice, music CD digital audio, images and graphics. The toolkit includes C and ASM language headers, libraries, sample programs, sample audio content, and online reference information to assist you in building application programs that bring multimedia to the OS/2 2.x platform.

PODIUM for Presentation Manager

University of Delaware

Instructional Technology Center
305 Willard Hall
Newark, DE 19716

PODIUM for Presentation Manager

Retail Price: \$695 (\$495 educational)

Contact: Janet S. Harbaugh, Administrative Assistant

Phone: (302) 831-8164

Fax: (302) 831-2089

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Immediately

PODIUM lets anyone who can use a text editor or word processor develop and present dynamic and powerful multimedia presentations with full color slides, audio, and full-motion video. Simply type the outline of your speech, and PODIUM automatically typesets it beautifully in the font of your choice and provides navigation buttons that let you present your lecture quickly and easily. PODIUM supports videodisc, compact disc, and DVI direct-to-disk video recording and playback.

PODIUM lets anyone who can use a text editor or word processor develop and present dynamic and powerful multimedia presentations with full color slides, audio, and full-motion video. Simply type the outline of your speech, and PODIUM automatically typesets it beautifully in the font of your choice and provides navigation buttons that let you present your lecture quickly and easily. There is only one command you need to know: the exclamation point, which you use to link multimedia objects to your presentation bullets. When you click with your mouse on the bullet, PODIUM automatically begins the multimedia event, which can consist of digitized slides, full-motion video, digital audio, scanned images, and compact-disc audio clips.

There is no multimedia software easier to use or quicker to learn. PODIUM lets you prepare presentations the night before or even the morning of a talk. Within a second, you can access any slide, motion sequence, or audio clip.

Ultimedia Builder/2

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Ultimedia Builder/2

Retail Price: \$345.00

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact: Tony Swanson

Int'l Phone: (415) 694-3103

Int'l Fax:

Available: 7/93

Multimedia authoring tool which provides a filmstrip-like work area for easy, visual creation of business multimedia presentations.

Ultimedia Builder/2 is an OS/2 multimedia authoring tool that provides a filmstrip-like work area for easy, visual prototyping of multimedia presentations. Or, if users are familiar with programming languages, they can enter multimedia instructions directly in a spreadsheet-like work area. The graphic and text views are interchangeable, so users can work with the one that suits their needs and experience. An interactive multimedia tutorial, created with Builder/2, is included. Demonstrations or step-by-step practice sessions give users a choice of learning modes to help them quickly become productive and successful in using multimedia in their everyday business applications. Sample business-related templates, with examples of complementary colors and font styles, also simplify getting started.

Ultimedia Workplace/2

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Ultimedia Workplace/2

Retail Price: \$345.00

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact: Tony Swanson

Int'l Phone: (415) 694-3103

Int'l Fax:

Available: 7/93

An easy way to organize and manage multimedia (image, audio, and video) files and objects with powerful database capabilities and a visual interface of miniature images called "thumbnails".

This multimedia object manager allows users to organize, browse, annotate and search for images, video clips, and audio files. Multimedia objects are shown with "thumbnails," or miniature pictures, as if they were slides on a photographer's light table. This extension of OS/2.2.1's Workplace Shell and "objects-in-folders" concept gives the user freedom to simply double-click on a "thumbnail" to automatically display or play an object. In addition, powerful database extensions come with Ultimedia Workplace/2, giving the user the ability to link the object image and descriptive text to a record in one of several popular databases like DB2/2, Oracle, dBase IV and OS/2 Database. This product increases the availability of and access to media objects which can be found anywhere on the desktop and local-area networks.

IconAuthor for OS/2

AimTech Corporation

20 Trafalgar Square
Nashua, NH 03063

IconAuthor for OS/2

Retail Price: \$4995.00

Contact: Ultimedia Tools Series

Phone: (800) 289-2884, (603) 883-0220

Fax: (603) 883-5582

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

IconAuthor is a comprehensive multimedia authoring tool that non-programmers can use to create highly sophisticated interactive multimedia applications for OS/2. Its powerful intuitive "visual programming" environment is unrivaled for building applications that combine text, graphics, animations, audio, and full-motion video. Non-technical experts can easily and quickly create applications for computer-based training, simulations, self-service kiosks, performance support systems and interactive product presentations - all without scripting. IconAuthor comes with built-in editors, database, unlimited user-definable variables, and full support for both analog and digital full-motion video. As applications are developed, they can be run, tested and edited in real-time.

DisplayMaster(TM)

Commix SP Incorporated

8201 Greensboro Drive
Suite 451
McLean, VA 22102

DisplayMaster (TM)

Retail Price: \$49.95

Contact: Judith A. Mezzullo, Exec VP--Sales and Marketing

Phone: (703) 356-9858, (800) 2COMMIX

Fax: (703) 356-6148

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

DisplayMaster(TM) is a 32-bit OS/2 Presentation Manager utility that allows the user to view multiple images, audio and DVI files on the screen simultaneously.

Highlights:

- " Reads Kodak Photo CD images directly into OS/2 without use of Windows.
- " Ability to stack an unlimited number of images into a single window with paging controls.
- " View and listen to image, full-motion video, and audio files simultaneously.
- " Ability to view several image, audio and full-motion windows on the screen concurrently.
- " Image Slide Show and comments features available.

Product features:

- " Built-in ability to save comments about each image, audio and video file.
- " The ability to recall comments and multimedia files previously saved.

- “ Convert Kodak Photo CD and other images to commonly used image formats in a batch process.
- “ Standard controls for video and audio windows.
- “ Comment file can be used as a presentation tool.
- “ Cut, copy, paste, crop, trim.

Splice for OS/2

Digital Media International

352 Arch Street
Suite B
Sunbury, PA 17801

Splice for OS/2

Retail Price: \$495.00

Contact: Ultimedia Tools Series

Phone: (717) 286-6068

Fax: (717) 286-3011

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Splice for OS/2 features a full-function editor complete with cut-and-paste of video files and fade-in, fade-out and dubbing of audio files to facilitate background music and other similar effects, plus editing of alternate frame rates. This version requires the ActionMedia II display adapter and does not include a capture tool but does come with a hands-on tutorial.

Ultimedia Manager/2 Personal Edition

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Ultimedia Manager/2 Personal Edition

Retail Price: Retail \$149/Promo \$99

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact: Tony Swanson

Int'l Phone: (415) 694-3103

Int'l Fax:

Available: January 94

Ultimedia Manager/2 Personal Edition is a unique and exciting OS/2 tool that allows you to search for images based on their content. With Ultimedia Manager/2 Personal Edition, you can now do more than just store and manipulate your image files -- you can sort through thousands of pre-qualified pictures, analyze them, and get automatic feedback about their content. Several hundred pre-classified images are provided as a starter set. A color Picker is provided to allow greater precision when selecting a color query. You may specify a precise color, based on its RGB or HIS values. Shapes can be complex shapes such as "fish," "tree," or "sand dune".

Ultimedia Manager/2 Professional Edition

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Ultimedia Manager/2 Professional Edition

Retail Price: Retail \$795/Promo \$499

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact: Tony Swanson

Int'l Phone: (415) 694-3103

Int'l Fax:

Available: December 93

Ultimedia Manager/2 Professional Edition is a unique and exciting OS/2 tool that allows you to search for images based on their content. With Ultimedia Manager/2 Professional Edition, you can now do more than just store and manipulate your image files: you can sort through thousands of pictures, analyze them, and get automatic feedback about their content. Images may be classified by color, shape and texture features. You may also create and assign your own text categories to your images. You can build your own collection of pre-defined colors, shapes, and textures and use them in any combination to create virtually an unlimited number of different visual queries. A Color Picker is provided to allow greater precision when selecting a color query. You may specify a precise color, based on its RGB or HIS values. Shapes can be simple geometric shapes - triangles, circles or squares - or complex shapes such as "fish," "tree," or "sand dune". You can create and name your own shapes and use them as elements of any visual query.

Video IN

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Video IN

Retail Price: \$199.00

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact: Tony Swanson

Int'l Phone: (415) 694-3103

Int'l Fax:

Available: November 93

Now you can be your own producer with Video IN. And people with OS/2 2.1 can watch the stimulating videos you make, right on their computer, without any additional video hardware. Add video segments to your business presentations using an easy-to-use authoring tool like Ultimedia Builder/2. Then take your pitch on the road and play it on your notebook computer. You'll amaze your audience.

Highlights:

- Video Developer's Toolkit

- Compression Technology (Ultimotion or Indeo)

- Video Recorder/Editor (Input monitor functions, Real-time video recording, Frame-step video recording, Cut, Copy, Paste, Video Attributes control, Frame-rate control, Still-image capture)

- AVI File Utility (File browser/walker, Merge/Split/interleave/skew functions, create AVI files from still images.)

IBM LAN Distance

IBM Corporation

11400 Burnet Road
Austin, TX 78759

IBM LAN Distance

Retail Price: 1st Client \$59

Contact: Sales

Phone: (800) 3IBM-OS2, (800) IBM-CALL

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The IBM LAN Distance family of products provide the capability of extending the "Office LAN" to remote users. Using dial connections (asynchronous, synchronous, ISDN, or X.25), remote users can access LAN (Ethernet or token-ring) resources as if they're physically connected to the LAN.

- " Connects remote LAN users to LAN services over switched Wide Area Network (WAN) connections using remote-node technology.
- " Supports two remote-access environments: remote workstation to LAN-attached workstation, and remote workstation to remote workstation.
- " Protects the customer's investment in existing LAN-based applications, such as Lotus Notes, LAN Requester, NetWare for OS/2 FTTERM, and IBM Communications Manager/2, which run without change over a WAN.
- " Enables multiple applications to run remotely over a single WAN connection.
- " Provides security functions to protect against unauthorized WAN access to the LAN, as well as other security features.
- " Provides administration and system management functions to help monitor and manage many simultaneous connections from multiple remote workstations.

LAN DISTRIBUTED PLATFORM/2 (LANDP/2)

IBM Corporation

11400 Burnet Road
Austin, TX 78759

LAN DISTRIBUTED PLATFORM/2 (LANDP/2)

Retail Price: Basic \$539, Copy \$360

Contact:

Phone: (800) IBM-CALL

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: April 93

LANDP builds a C/S platform common across a diversity of operating systems that makes mixed LANs to appear to applications as single system. It is installed, working, and proven now.

LANDP isolates applications from hardware, operating system and network complexities. It provides a common API across the supported platforms, transparent access to distributed resources and independence from their physical location. This reduces application development cost and protects customer investment on applications which become independent of the technical, topological, and operational changes, and allows application to be portable.

Using LANDP, you can seamless integrate a variety of resources, LANDP or non-LANDP aware, and located in the same or in different platforms. This includes applications talking DDE, batch applications running as servers, OSF/DCE servers, selected applications (CM/2, DATABASE/2, Oracle,...), and of course LANDP applications and servers and LANDP user-written servers. LANDP also allows exploitation of LAN Server and Novell NetWare systems.

LANDP allows an open and flexible implementation of distributed applications, providing the ability to pick and choose among platforms and components to tailor the system to specific needs and to conform to performance and cost-effective criteria.

NetWare Services Manager (for LAN NetView) 1.5 From IBM

IBM Corporation

11400 Burnet Road
Austin, TX 78759

NetWare Services Manager (for LAN NetView) 1.5 From IBM

Retail Price: \$2495

Contact:

Phone: (800) 3IBM-0S2

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: May 1993

NetWare Services Manager (for LAN NetView) 1.5 is a new version of Novell's OS/2-based network management application that allows administrators to manage NetWare 3.X and 4.X nodes.

Combined with LAN NetView, NSM 1.5 provides administrators with a comprehensive set of tools and services to efficiently manage NetWare and LAN Server networks. NSM 1.5 is designed to automate resource management, reduce downtime, and maximize network performance. NSM automatically creates a graphical internetwork map using icons that show the operational status of each node and network cable segment. NSM continually monitors the status of critical NetWare 3.X and 4.X systems, gathering, storing and displaying physical configuration data, and assisting in anticipating network problems. Potential problems can be identified and remedied before they occur through associated agents in the NetWare servers.

SAA DISTRIBUTED DATABASE CONNECTION SERVICES/2 Version 2 (DDCS/2)

IBM Corporation

895 Don Mills Road
North York, Ontario, Canada M3C 1W3

SAA DISTRIBUTED DATABASE CONNECTION SERVICES/2 Version 2 (DDCS/2)

Retail Price: SU = \$500; MU = \$4,680

Contact: Phyllis Prewitt, Manufacturer Rep for US

Phone: (800) 3IBM-OS2, (404) 835-8007

Fax: (404) 835-7797

Int'l Contact: Guy St. Louis

Int'l Phone: (416) 448-2059

Int'l Fax:

Available: May '93

Distributed Database Connection Services/2 provides the gateway to host-based information stored in DRDA-compliant databases such as SQL/DS, SQL/400 on OS/400, and DB2 on MVS.

IBM SAA Distributed Database Connection Services/2, DDCS/2, provides a gateway that bridges your LAN-based applications to your enterprise data. LAN applications accessing the IBM DATABASE 2 OS/2 (DB2/2) database server have access to host databases such as SQL/DS, DB2 on MVS, SQL/400 on OS/400, and other DRDA-compliant databases. There is no need for expensive host-based software for this access. And access includes read, write and update capability. DB2/2 single-user databases use a single-user version of the DDCS/2 product for even more cost-effective client/server computing.

Service Point/32

Strategic Solutions International Corp.

1075 Tolland Turnpike
Manchester, CT 06040

Service Point/32

Retail Price: \$3,000

Contact: Nathaniel Mills, III, President/CEO

Phone: (203) 649-1900

Fax: (203) 649-1230

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/92

Service Point/32: Fully Bi-directional NetView Gateway--REXX Automation Language Generates NetView Alerts, and Expands NetView's Command and Control over Multi-Vendor Network Management Systems.

Service Point/32 provides REXX-based automation applications and a complete development environment. Create standalone or interactive scripts to command and control any vendor's element management system from NetView or SP/32.

Consolidate and transform alarms and status messages into NetView alerts. REXX language extensions replicate NetView's automation environment on OS/2, including the 3270-like VIEW panels, RUNCMDs, GENALERTs and MSGs. RUNCMD scripts can run in NetView or SP/32 without modification. Terminal Emulation provides NetView with actual screen images. REXX-based scripts for Alarm Filtering and Alert Generation use database tables. SP/32's data scope displays and captures actual data streams, and SP/32's communications simulator provides a complete test environment to minimize development on a production network. Test NetView Message Automation Table logic using simulated network error conditions.

Optional "C" language libraries enable SP/32 to be embedded within other applications. Requires OS/2 2.x and either Communications Manager/2 or ES Communications Manager but does NOT require NetView/PC.

TCP/2(TM)-OS/2 Distribution System

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 Distribution System

Retail Price: \$475

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 DISTRIBUTION SYSTEM provides an implementation of the TCP/IP protocol suite and supporting applications for the OS/2 Operating System. TCP/2 operates with all released versions of OS/2.

"TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source." This quote, from one of our users, reflects the opinion and experience of our user community. TCP/2 uses Microsoft/3COM, standard NDIS/Protocol Manager and MAC-level Drivers to support Ethernet and Token Ring adapters. In addition, up to two SLIP lines may be connected via the COM1/COM2 serial ports. TCP/2 supports ODI drivers for coexistence with NOVELL 1.3. TCP/2 applications can run in PM windows, and it includes remote tape copy and control, as well as VT102 emulation for remote login, server operation for remote file access, command execution and login at an OS/2 workstation. For those users that do not require all of the functionality of the robust DISTRIBUTION SYSTEM, Essex Systems offers an unbundled set of modules. These consist of a base, required, TRANSPORT AND CONFIGURATION MODULE to which can be added any or all of the BASIC CLIENT, ADVANCED CLIENT and SERVER PACKS. TCP/2 also supports special device drivers that permit developers to write process-level device drivers.

TCP/2(TM)-OS/2 Domain Name Server

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 Domain Name Server

Retail Price: \$800

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 DOMAIN NAME SERVER is an implementation of the Berkeley Internet Name Domain (BIND) Server. A name server is a network service that enables clients to name resources or objects and share this information with other objects in the network. This is in effect a distributed database system for objects in a computer network. BIND is fully integrated into 4.3BSD network programs for use in storing and retrieving host names and address. The system administrator can configure the system to use BIND as a replacement to the original host table lookup of information in the network hosts file /etc/hosts. The default configuration for 4.3BSD uses BIND. Included in this option are: Operations guide for BIND, Domain Administrators Guide, Domain Administrators Operations Guide, Domain Names-Concepts and Facilities Tutorial, Domain Names-Implementation and Specifications, DNS encoding of Network Names and Other Types, Domain Requirements and Mail Routing and the Domain System.

TCP/2(TM)-OS/2 NetBIOS Option

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 NetBIOS Option

Retail Price: \$98

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 NetBIOS OPTION is a separately-priced option that provides access to a NetBIOS network.

TCP/2(TM)-OS/2 NFS ACCESS OPTION

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 NFS ACCESS OPTION

Retail Price: \$75

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 NFS ACCESS OPTION is a separately priced option that is compatible with and conforms to SUN Microsystem's NFS protocol version 2.

Our NFSD supports the whole range of valid requests for version 2 of the NFS protocol, except NFSPROC ReadLINK, NFSPROC LINK and NFSPROC SYMLINK.

TCP/2(TM)-OS/2 Server Pack

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2 (TM)-OS/2 Server Pack

Retail Price: \$125

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 SERVER PACK is one of the unbundled modules which requires the TCP/2-OS/2 TRANSPORT AND CONFIGURATION module to function.

While our users contend that "TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source'', they also requested that the DISTRIBUTION SYSTEM be unbundled to offer options for those enthusiasts that did not require all of the functionality available in the full implementation of TCP/2. The unbundled options include the TRANSPORT AND CONFIGURATION module, the BASIC CLIENT, ADVANCED CLIENT and SERVER PACKS. The SERVER PACK includes: bootpd.exe, fingerd.exe, ftpd.exe, pop2d.exe, popper.exe (all repository), portmap.exe, rexecd.exe, rmt.exe, rshd.exe, rstatsv.exe, ruptime.exe, rwho.exe, rwhod.exe, startses.exe, talk.exe, talkd.exe, otalk.exe, otalkd.exe, tellogin.exe, telnetd.exe, tftpd.exe, userauth.exe, (unsupported nfsd.exe).

TCP/2(TM)-OS/2 SNMP Tools Option

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 SNMP Tools Option

Retail Price: \$150

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 SNMP TOOLS OPTION provides the network administrator with the tools essential to monitor, control and manage.

"TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source." This quote, from one of our users, reflects the opinion and experience of our user community. The SNMP applications conforming to SNMP protocol are more extensive than any other available OS/2 implementation offering another significant benefit to the TCP/2 USER.

TCP/2(TM)-OS/2 Transport and Configuration

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM)-OS/2 Transport and Configuration

Retail Price: \$200

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2-OS/2 TRANSPORT AND CONFIGURATION module is the entry-level module of TCP/2-OS/2. Included are all drivers, configuration files and the DLL emulation libraries.

While our users contend that "TCP/2 as delivered by Essex Systems is by far the most complete implementation of the TCP/IP protocol suite and supporting applications for DOS and OS/2 available from any source," they also requested that the DISTRIBUTION SYSTEM be unbundled to offer options for those enthusiasts that did not require all of the functionality available in the full implementation of TCP/2. The unbundled options include the TRANSPORT AND CONFIGURATION module, the BASIC CLIENT, ADVANCED CLIENT and SERVER PACKS. The TRANSPORT AND CONFIGURATION module includes all drivers and configuration files and DLL emulation Libraries. Included are: arp.exe, hostname.exe, ifconfig.exe, inetd.exe, int6101.exe, int6102.exe, netd.exe, netstat.exe, ping.exe, ripquery.exe, route.exe, routed.exe, setvar.exe, snmpd.exe, syslogd.exe, sockifsd.exe, trpt.exe, unint61.exe, vt100kc.exe. Any combination of unbundled and separately priced options may be configured with this base system and operate as a completely seamless modular system.

AM/ST

ImageSoft, Inc.

2 Haven Avenue
Port Washington, NY 11050

AM/ST

Retail Price: \$475

Contact: Sales

Phone: (516) 767-2233, (800) 245-8840

Fax: (516) 767-9067

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

AM/ST was the first application manager developed for Smalltalk/VTM and continues to be the premier software engineering environment for developing object-oriented applications using Smalltalk/V.

An AM/ST application can contain a whole Smalltalk class or part of a class. This feature allows multiple developers to work simultaneously on several related classes or on parts of a single class without interfering with each other. The AM/ST application hierarchy separates the classes produced by the developer from the Smalltalk base classes. Until needed by the developer, the Smalltalk base classes remain in the background, letting the developer focus on the class in the developer's application.

ART*Enterprise

Inference Corporation

550 N. Continental Boulevard
El Segundo, CA 90245

ART*Enterprise

Retail Price: \$6,995

Contact: Chuck Williams, Executive Vice President

Phone: (800) 322-9923, (310) 322-0200

Fax: (310) 322-3242

Int'l Contact: Andrew Glaser

Int'l Phone:

Int'l Fax:

Available: Fall 1993

ART*Enterprise is a tool for building enterprise-wide computing applications. It features portability over ten platforms, point-and-click GUI building, rules, and object-oriented and client/server architectures.

ART*Enterprise is an application development tool that integrates in a single easy-to-use package the critical features needed to prototype, develop and deploy applications across all four corporate computing environments -- the PC, workstation, mid-range and mainframe. It includes built-in tools for mouse-driven building of GUIs, multimedia, and multiple heterogeneous database connection. It lets developers build applications ranging from information movement and management to advanced applications which use rules to achieve business process automation. It gives developers the full benefits of object-oriented programming -- greater productivity and quality due to software reuse. Its event-driven architecture supports distributed processing and client/server computing. As the upwardly compatible successor to Inference's earlier products, it has a proven pedigree of success -- at the annual IAAI Conference, which selects innovative, measurably successful applications, Inference development technology accounts for 31% of all the winning applications built with commercial tools. Compared to the other tool vendors, Inference has 314% more wins than the number two firm. Call us to find out why.

1

ARS NOVA Software GmbH

Stettener Strasse 32/3
D-73732 Esslingen, Germany

DART 1.1

Retail Price: \$2,900 US

Contact: Mr. Michael Pawlitschek

Phone: +49 711 3704001

Fax: +49 711 3704003

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

DART integrates object-oriented

- " analysis,
- " design and
- " programming.

DART produces executable Smalltalk code.

DART creates ready-to-use applications for different user interface builders.

DART directly maps the OO-design onto databases like ArtBase and Versant.

DART links applications with object-oriented databases.

DART allows refining created applications manually.

Further features of DART are:

- " a graphical editor and browsers to do object-oriented analysis and design
- " map design objects and relations onto Smalltalk classes and objects automatically
- " extend Smalltalk with "mixins" to model multiple inheritance
- " provide an extendable code generator
- " create PostScript printouts and documentation of the designed systems
- " integrate applications with graphical Tree and Black-Box Editors

ENVY/400

Object Technology Inc.

301 E. Bethany Home Road
Suite A-100
Phoenix, AZ 85012

ENVY/400

Retail Price: \$9000/developer seat

Contact: Sales

Phone: (602) 222-9519

Fax: (602) 222-8503

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: May 18, 1993

ENVY(R)/400(R) is an object-oriented client-server cooperative application development environment for the AS/400.

ENVY/400 provides a collaborative environment for development teams doing concurrent development of Smalltalk applications. It is a combination of:

- “ Smalltalk - the object-oriented language, window-based environment with interactive debug facilities and a reusable component library
- “ ENVY(R)/Developer - OTI's concurrent software team development environment, integrated with the Smalltalk environment to provide version and configuration management in addition to performance analysis and packaging tools
- “ Comprehensive component library - for client/server access to AS/400 services and data
- “ VPG(TM) - a visual program generator with CUA '91 controls providing full end-user programming with a native look-and-feel
- “ 100% portability between platforms (OS/2 and Windows in the first release)

ENVY/Developer

Object Technology International Inc.

2670 Queensview Drive
Ottawa, Ontario, Canada K2B 8K1

ENVY/Developer

Retail Price: \$4000/developer seat

Contact: Mr. Ian Skerrett, Product Marketing

Phone: (613) 820-1200

Fax: (613) 820-1202

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

ENVY(R)/Developer is a complete multi-user environment for object-oriented software engineering.

ENVY/Developer combines four separate tools to enable development, release, and maintenance of applications and embedded systems written in Smalltalk.

- ENVY/Manager - provides team programming, configuration management, and version management (source and object), and an integrated library system
- ENVY/Stats - analyzes run-time performance for bottlenecks
- ENVY/Packager - removes the development-only portions for the application and produces a standalone executable.
- ENVY/Swapper - enables applications to write objects quickly to disk with its load/unload capability, providing object transfer between images and data-sharing between applications.

The recommended development platform is a 386/486 PC running OS/2.x with at least 8 MB of memory. The network file server should support OS/2.x compatible file I/O and locking.

HyperWork 2.2

PBS Professional Business Software GmbH

Wittland 10
24109 Kiel, Germany

HyperWork 2.2

Retail Price: DM 1360.00

Contact: Wolfgang Martzner

Phone: +49 431 585140

Fax: +49 431 5851444

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

HyperWork is an object-oriented database (ooDB) with an integrated, object-oriented CASE environment for the development, operation and servicing of applications. All data and programs are actively controlled and processed by the object-oriented environment.

HyperWork is an object-oriented database which not only stores data but also the methods of data processing. Hyperwork therefore combines the development environment with the target system.

Hyperwork application development is based on evolutionary prototyping; i.e., during development, prototypes are not deleted but are developed in steps up to the target version. Modules are available at an early stage and can be continually adapted to changing conditions.

With HyperWork, a comprehensive knowledge of the application is not necessary because the correct solution for individual application objects is always in the foreground.

Mass data processing can be completely realized within the ooDB, Relational databases are not necessary for the operation of Hyperwork, although they can be optionally integrated.

HyperWork realizes an innovative concept that increases productivity during development and maintenance of software by several times.

Hyperwork integrates the development environment for window applications

(Interface Builder) when used with OSF/Motif, the Presentation Manager and Windows NT (from 1993).

Objects are developed in UNIX, OS/2, as well as Windows NT (from 1993) and are executed in heterogeneous systems, independent of GUI and operating system.

Layout for OS/2

Objects, Inc.

99 Rosewood Drive
Danvers, MA 01923

Layout for OS/2

Retail Price: \$299.95

Contact: Sales

Phone: (508) 777-2800, (800) 424-6644

Fax: (508) 777-0180

Int'l Contact: Jeffrey Fisher

Int'l Phone:

Int'l Fax:

Available: Second Quarter 1993

Layout is a tool that allows you to build programs without writing code. You build programs by arranging objects in a flowchart. Layout has objects that handle user-interfaces (windows, menus, graphics and buttons), mathematical functions, program control, and working with hypertext databases.

The flowchart created with this application will be transformed into C, Pascal, QuickBasic, or a ready-to-run .EXE. Layout is designed for IBM PCs or compatibles with 640 KB RAM, a hard disk, three megabytes of hard disk space, DOS Version 3.0 or above, and a supported graphics card: CGA, EGA, VGA, HGA, Toshiba 3100, AT&T 6300, MCGA. A mouse is supported, but not required. Layout supports Turbo Pascal, Microsoft C (5.0 thru 7.0), Visual C++, QuickBASIC (4.5), and Borland C++. Layout comes with all of the language engines built in. Separate versions of Layout do not have to be purchased for each computer language. Layout-created programs can work on any standard IBM PC.

MacroScope

Objective:

4760 Walnut #200
Boulder, CO 80301

MacroScope

Retail Price: \$2995/workstation

Contact: Boyd Inman, Executive Vice President

Phone: (303) 442-2200

Fax: (303) 442-3000

Int'l Contact: Brindley Reynaud

Int'l Phone: +44 71 240 4730

Int'l Fax:

Available: Immediate

MacroScope is the first proven 5GL Development Environment--achieved by marrying the best elements of 3GLs, 4GLs, and Object technologies. MacroScope applications have won in both years at Object World in San Francisco, 1992 - Best in Large Systems (United Artists); and 1993 - Most Cost-Effective (the Civil Aviation Authority). Also in 1993, Object World International - Best Use of Reusable Development Environment (WPA Insurance)

It consists of large libraries of preexisting objects which can be compared to a highly proficient 'electronic staff' which manages all the details associated with interfacing today's many complex technologies. These include: communications; client/server, SQL; relational databases; math and modeling; terminal emulation; advance graphic user interfaces; and many more.

Other unique features are its multiple Event Management capabilities; its peer-to-peer (object-to-object) communication on multiple hardware and software architectures; and MacroDesign, a completely object-oriented design methodology.

The practical or commercial benefit of using MacroScope is that application systems can be built in weeks, or even days. They can run on any hardware; with any software; on any communications architecture; and can be used with virtually no documentation or training. The life of legacy systems can be significantly extended, with new and unprecedented cost-effective options for their enhancement and migration.

micWOP Corporate

micado SoftwareConsult

Reutherstr. 1 a-c 3. Etage
53773 Hennef, Germany

micWOP Corporate

Retail Price: 9,194.25 DM/\$5,408.38 USD

Contact: Mr. Schude, Product Manager

Phone: +49 2242 871450

Fax: +49 2242 871455

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Since Aug. '92

The micWOP Corporate is a development environment for Smalltalk/V (OS/2 2.x, 32 bit) which includes classes to access all commercially available relational databases, such as MS-SQL Server, Gupta, Sybase, Oracle, NetWare SQL, etc.

micWOP Corporate ODBMS

micado SoftwareConsult

Reutherstr. 1 a-c 3. Etage
53773 Hennef, Germany

micWOP Corporate ODBMS

Retail Price: 13,784,25 DM/\$8,114.26 USD

Contact: Mr. Schude, Product Manager

Phone: +49 2242 871450

Fax: +49 2242 871455

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: since Aug. '92

The micWOP Corporate ODBMS is a development environment for Smalltalk/V (OS/2 2.x, 32 bit) which includes an object-oriented database.

micWOP Developer

micado SoftwareConsult

Reutherstr. 1 a-c 3. Etage
53773 Hennef, Germany

micWOP Developer

Retail Price: 4,594.25 DM/\$2,702.50 USD

Contact: Mr. Schude, Product Manager

Phone: +49 2242 871450

Fax: +49 2242 871455

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Since Aug. '92

The micWOP Developer is a development environment for Smalltalk/V (OS/2 2.x, 32 Bit) which includes and utilizes several commercially available Smalltalk/V utilities, as a windowbuilder, a project browser, smalltalk/V and add-ons developed by micado such as: a translator, documentation manager, environment manager and help manager as well as many files.

Object/1

Micro Data Base Systems, Inc. (mdbs)

Two Executive Drive
P.O. Box 6089
Lafayette, IN 47903-6089

Object/1

Retail Price: \$3995

Contact: Steve Garrison, Account Representative

Phone: (800) 445-mdbs (317) 447-1122

Fax: (317) 448-6428

Int'l Contact: Ron Grimsley

Int'l Phone:

Int'l Fax:

Available:

Object/1 is a complete Rapid Application development (RAD) environment for developing cost-effective Microsoft Windows 3.0 and OS/2 PM GUI applications.

In addition to its fully object-oriented programming language, which has its roots in the C language, Object/1 includes a user interface management system called Forms Painter.

Forms Painter is much more than an editor for the specification of windows, dialog boxes, and menus. It is also an intelligent code generator that increases productivity by creating application window classes, window initialization methods, and window "painting". In other words, the developer concentrates on the application behavior, and Object/1 handles the tedious window management functions.

Further, Object/1 comes with the powerful relational database system, TBL, plus an object-oriented access protocol which adds real-world, industrial-strength database access to windows generated with Forms Painter.

Finally, Object/1 includes object classes that allow access to multiple external databases such as SQL Server, MDBS IV, and IBM Database Manager, all by pointing and clicking instead of writing miles of code.

Objective-C(R) Compiler and ICpak(TM) 101

The Stepstone Corp.

75 Glen Road
Suite 115
Sandy Hook, CT 06482

Objective-C(R) Compiler and ICpak(TM) 101

Retail Price: \$495

Contact: Sarah C. Bell

Phone: (203) 426-1875, (800) BUY-OBJEC

Fax: (203) 270-0106

Int'l Contact: K.K. Tan

Int'l Phone:

Int'l Fax:

Available:

The Objective-C(R) Language provides the richest and most widely supported implementation of object-oriented technology available to the C programmer.

Objective-C combines the efficiency and familiarity of C with the oo messaging facilities of Smalltalk. This compromise between static and dynamic languages allows the engineer to pick and choose the best of both at any point during application development. Under OS/2 v2.0, Stepstone's Compiler is a pre-processor for IBM's C/2(R) Set Compiler. It comes bundled with IC pak(TM) 101. ICpak 101, a set of 20 classes and more than 300 methods, provides a base of reusable components to build custom classes and applications.

When people refer to the power of OOP, they are often referring to dynamic (run-time) binding. Objective-C allows the latest version of an object to be bound to an application at run-time. As objects gain additional functionality over development cycles, applications using these objects inherit the new features automatically. The binding choice (static or dynamic) is made when you use a class in a program, instead of when the class is written. You can also control binding on a compilation-unit basis. For all of these reasons, you avoid messy source-code changes and potentially massive recompilations.

ObjectWorks(TM) Smalltalk

ParcPlace Systems, Inc.

999 East Arques Avenue
Sunnyvale, CA 94086-4593

ObjectWorks(TM) Smalltalk

Retail Price: \$2,495

Contact: Sales

Phone: (800) 759-PARC, (408) 481-9090

Fax: (408) 481-9095

Int'l Contact: Walt Blisheim

Int'l Phone:

Int'l Fax:

Available:

ObjectWorks(TM) Smalltalk is an object-oriented software development environment for the development and delivery of applications across heterogeneous computing environments. ObjectWorks provides complete application portability between OS/2, Windows, Mac and UNIX platforms.

ObjectWorks contains three crucial components; the Smalltalk language, a set of integrated components, a set of integrated designed-for-object development tools, and a mature class library of over 400 types of Portable Objects(TM). One of the key features of ObjectWorks Smalltalk is instant portability. Applications will run unchanged across platforms, operating systems, and windowing systems including PCs running OS/2 or Windows, Macintoshes, and workstations running UNIX. Smalltalk provides an integrated library of over 400 portable objects that include all development tools, numeric values, collections graphics, low-level kernel facilities, GUI components such as widgets, and an interface to platform facilities such as files and directories. The development tools provide over 15 integrated tools that include browsers for system, inheritance and method, interactive cross-referencing, symbolic debugger, change-list manager, robust text editor, and many more.

Prosa/om Object Oriented Analysis and Design Tool

Insoft Oy

Kirkkokatu 5 B
SF-90100 Oulu, Finland

Prosa/om Object Oriented Analysis and Design Tool

Retail Price: \$2930.00

Contact: Hannu Lehtikainen

Phone: +358 81 376128

Fax: +358 81 371754

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Prosa/om Object Oriented Analysis and Design Tool supports object modeling, operation modeling and object communication modeling in a highly integrated manner. Prosa/om uses the Rumbaugh method in object modeling and operation modeling, and the DeMarco and Ward & Mellor methods in object communication and in real-time modeling. The correctness of the models is checked interactively. The user interface of Prosa/om is very fast and easy to use. Prosa/om supports team development in networked environments. Prosa/om integrates with Prosac++ code generator for automatic, complete C++ code generation, with Prosasql for automatic SQL code generation, and with Prosacdm for automated, concurrent documentation. In addition to OS/2 version 2.1, Prosa/om is available for Windows 3, VMS/Motif, UNIX/Motif and UNIX/Openlook. User interfaces and data bases are compatible across all platforms.

SEE System

SEEssoft, Inc.

432 F. Street, Suite 410
San Diego, CA 92101-6140

SEE System

Retail Price: \$295 User, \$2995 Author

Contact: Jim Wilde, Sales V.P.

Phone: (619) 235-8418, (602) 596-9116

Fax: (619) 235-8612

Int'l Contact: Ernst Pscheidl

Int'l Phone: +43 1 712 9812

Int'l Fax:

Available: January 1991

SEE System -- Provides guidance for users and integrates their work stations. Standards, examples, and development tools or applications are presented and navigated graphically in the SEE System and launched (exec) as needed.

Software Engineering Environment (SEE System) -- The SEE System allows user to integrate their workstations with methods, Smalltalk/V, PARTS, IBM System Object Model (SOM), CASE and IS tools to form a standard environment. Graphical models built on your standards, methods, and procedures can be used to guide developers and users through the use of Object Technology (classes), CASE tools, techniques and many other products. It is an essential tool to teach new and advanced developers and users the tools of the organization.

Included in the product are templates for methods, exercises, tips and techniques, and other tools for users and developers. Batch command files (REXX, .CMD, .BAT) can be graphically imbedded and run by clicking on an icon with the mouse. Enterprise-model templates can also be built to guide users.

Smalltalk/V(R) for OS/2

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

Smalltalk/V(R) for OS/2

Retail Price: \$995

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available:

Smalltalk/V(R) for OS/2, Digitalk's 32-bit version of its object-oriented development environment for OS/2 2.x, results in applications that are up to 100 percent faster and 50 percent smaller than 16-bit OS/2 applications. Smalltalk/V for OS/2 is a complete set of tools compatible with OS/2 2.x for developing 32-bit graphical, portable applications in one box. You can program easier and faster with a high-level interface to operating system functionality. Smalltalk/V also includes tools for developing applications incrementally, reducing development time by eliminating the compile-link-run loop used in non object-oriented languages. Other features include: automatic memory management, tools for organizing and browsing source code, the ability to call both 16-bit and 32-bit DLLs, an integrated debugger with single-stepping capability, an object inspector, a pluggable object library builder, object filer, full CUA '91 support, and full support for DDE, NLS/DBCS and Help Manager. Digitalk's Smalltalk/V is the first commercially accepted object-oriented programming language for the PC with over 100,000 licensed users. The purchase price includes the right to distribute unlimited runtime applications with no additional royalty payments to Digitalk.

SQL Objects++(TM) Database Class Library

Objects++ Software Corp.

47 Stonewall Street
Cartersville, GA 30120

SQL Objects++(TM) Database Class Library

Retail Price: \$699.00

Contact: Sales

Phone: (800) 876-6585, (404) 382-6585

Fax: (404) 382-6374

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/2/93

A powerful collection of object-oriented SQL and non-SQL database access classes designed to fully utilize the power of OS/2. Uses C++ or System Object Model. Inherit the power. SQL Objects++ Database Class Library is a powerful collection of object-oriented database classes that provide direct access to SQL and non-SQL databases. Each class is fully optimized to provide fast access to your data. No other access library is designed to fully utilize your OS/2 environment. No more lowest common denominator approach. SQL Objects++ Database Class Library opens the doors to complete access for each database you work with. No longer are you restricted to a handful of common calls. Now you can access DBMS specific calls if needed.

The Object-Oriented Approach. SQL Objects++ Database Class Library provides a complete object-oriented approach to database access. Each powerful class represents a specific DBMS which is derived from a common base class. With this design you can now inherit the power and derive new classes with your own powerful extensions, giving you more flexibility than ever before.

Powerful Database Access and Multi-Platform Support. Build one application that accesses Oracle, Sybase, SQL Server, DB2/2, NetWare SQL, Btrieve and others that can also run in the DOS, OS/2, Windows and NT environment with NO ROYALTIES.

VICK 2.1

ARS NOVA Software GmbH

Stettener Strasse 32/3
D-73732 Esslingen, Germany

VICK 2.1

Retail Price: \$980 US

Contact: Mr. Michael Pawlitschek

Phone: +49 711 3704001

Fax: +49 711 3704003

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

VICK allows faster interactive design of user interfaces.

VICK supports visualizations of simulations by real-time updating and controlling of visualized objects.

VICK supervises and controls the state of any Smalltalk object.

VICK plugs visualizations onto Smalltalk objects without programming.

VICK supports the model-view-controller concept of Smalltalk.

VICK allows extending and redefining all provided graphical elements.

VICK's open architecture allows including VICK elements into any window.

Further interesting features and elements of VICK:

“ See your graphical elements even during design

VICK views are represented in standard Smalltalk code

“ code for VICK views can be edited manually

VICK includes many graphical elements, like:

- " gauges, knobs, sliders
- " bar and pie diagrams
- " spline and polygon editors
- " textfields, text and table editors
- " different lists and buttons
- " views to include any other application view
- " the source code of all these elements.

VisualAge

IBM Corporation

8000 Regency Parkway
Cary, NC 27511

VisualAge

Retail Price: Call

Contact: Bill Allen

Phone: (919) 469-7150

Fax: (919) 469-4423

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Inquire 1994

This tool is a high-productivity tool for the development of workstation and PC applications, especially client/server, line-of-business applications.

" In conjunction with a relational database server, this tool can produce complete database client/server applications.

" In conjunction with a server-based development environment (e.g. CICS, CSP), this tool can produce complete OLTP client/server applications.

This tool is a fully-extensible, professional-strength, object-oriented, 4GL development environment incorporating the following features:

- " state-of-the-art visual programming and GUI design
- " extensive class libraries covering all aspects of line-of-business application development
- " a sophisticated test and debug environment
- " support for team programming
- " support for reuse of components including:
 - version and release control of components
 - management of prerequisites between components

- “ support for relational database access including DB2/2, DRDA access, Oracle and Sybase
- “ support for network access via a broad range of network protocols
- “ access to code written in DLLs for COBOL and C
- “ interactive tools for defining interfaces to remote applications, DLL entry points and database queries
- “ support for CUA '91 user interface controls
- “ tools for performance tuning
- “ tools for application packaging

VisualWorks(TM)

ParcPlace Systems, Inc.

999 East Arques Avenue
Sunnyvale, CA 94086-4593

VisualWorks(TM)

Retail Price: \$2,995

Contact: Sales

Phone: (408) 481-9090, (800) 759-PARC

Fax: (408) 481-9095

Int'l Contact: Walt Blisheim

Int'l Phone:

Int'l Fax:

Available: Currently

VisualWorks is a powerful object-oriented application development environment for creating GUI-based client/server applications that are completely portable across PC, Macintosh, and UNIX platforms.

VisualWorks highlights include:

- “ Rapid GUI development - a powerful interface builder employs a visual "paint-and-build" approach for GUI construction.
- “ Connectivity to relational and hierarchical legacy databases - an open, object-oriented, external data-base interface encapsulates relational database interaction
- “ Reusable Application Framework does more of the work for developers and lets them focus on designing and developing applications for use across multiple platforms
- “ The exclusive "visual reuse" capability provides powerful ways to create new applications and their associated interfaces from existing ones, simplifies maintenance and enhancement, and allows changes made in one place to be replicated throughout the system.
- “ Instant portability of binary images across PC, Macintosh, and UNIX platforms.
- “ "ChameleonView" lets developers preview any platform work.

“ The strong foundation of the fully object-oriented, dynamically compiled Smalltalk language system and tools.

VisualWorks solves problems associated with short-term GUI development, long-term maintenance and application development backlog. With minimal training, developers can begin building GUI applications and connecting them to legacy databases.

Zinc Application Framework 3.5

Zinc Software Incorporated

405 S. 100 E. 2nd Floor
Pleasant Grove, UT 84062

Zinc Application Framework 3.5

Retail Price: Call

Contact: Sales Department

Phone: (801) 785-8900, (800) 638-8665

Fax: (801) 785-8996

Int'l Contact: Zinc U.K. Paul Leathers

Int'l Phone: +44 81 855 9918

Int'l Fax: +44 81 316 7778

Available:

Zinc Application Framework enhances productivity and reduces market risk by supporting multiple operating environments, including OS/2, with one set of source code.

Zinc Application Framework 3.5 is a truly object-oriented, multiplatform development tool that allows you to develop native 32-bit OS/2 2.x applications. In addition to OS/2, Zinc 3.5 also supports DOS Text and DOS Graphics, Windows and Windows NT and OSF/Motif--all with one set of source code. Because of its innovative design, Zinc gives you powerful user interface objects like windows, input fields and controls on every platform, even if these features don't exist in the native operating environment.

Zinc Designer allows you to interactively create and store your application screens in a multiplatform resource. You can access the underlying class library through Zinc Designer to configure window objects such as windows, menus, bitmaps and input fields. You can also attach your program code to window objects in Zinc Designer.

The high-performance POST (persistent object storage technology) in Zinc 3.5 improves your productivity by allowing you to store windows and window objects in a platform-independent binary resource file.

In addition to powerful multiplatform technology, Zinc also offers over 1,400 pages of detailed documentation. A videotape training series, based on the Zinc Developer's Conference, is also available to help you develop multiplatform, object-oriented applications.

Across the Boards(R)

cfSOFTWARE, Inc.

2454 E. Dempster
Suite 201
Des Plaines, IL 60016

Across the Boards(R)

Retail Price: Starts at \$2,500.00

Contact: Catherine Solomon, Director of Marketing

Phone: (800) 366-8756, (708) 824-7180

Fax: (708) 824-0930

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1989 - Present

Across the Boards is a high-level API to many communications devices for IBM PCs. It is available in three levels:

- DIALOG: scripting facility and terminal emulator
- XAPI: universal 3270 API
- APPX: peer-to-peer communications facility

Across the Boards is a standard, high-level Application Programming Interface (API) for developing cooperative applications in multiple operating environments. It links user applications in many PC environments (MS-DOS, PC-DOS, Microsoft Windows, and OS/2) and applications in multiple IBM mainframe operating environments. It is available in three levels: XAPI, DIALOG, and APPX. XAPI allows standardized mainframe access from the PC through all common 3270 emulators and protocol converters and enables applications to read and write 3270 buffers from within the existing application. DIALOG provides a full-featured 3270 scripting facility through all common emulators and protocol converters. APPX is a peer-to-peer facility for developing cooperative applications that exchanges data between intelligent peers on a logical record level regardless of physical communication method used.

AM Graphical Printing Interface

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM Graphical Printing Interface

Retail Price: \$3000

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

The AM Graphical Printing Interface (GPI) enables the creation of high-quality, form-based printed output for use with standard laser printers. It can be used to create proposals, quotations, work orders, invoices, or any other standard form as part of a GUI client/server application.

The AM GPI is ideal for AM-developed applications whose key output is a number of professional business forms. It is designed for forms that include text, data images, and a complete range of boxes, lines, and fonts. It saves the cost of pre-printed stationery by storing and reusing standard forms, and ensures high-quality, professional output.

The AM GPI includes a rich function set for all forms of graphical display and printing, and supports colored bitmaps for logos, trademarks, and other graphics. It works with all OS/2-supported laser printers. Intelligent Environments has offices worldwide: Boston, Houston, Los Angeles, London, Frankfurt, Stuttgart, Stockholm.

Baby Driver

Autumn Hill Software, Inc.

1145 Ithaca Drive
Boulder, CO 80303

Baby Driver

Retail Price: Call

Contact: Judith Spose, President

Phone: (303) 494-8865

Fax: (303) 494-7802

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Nov. 1, 1993

Baby Driver is a printer interface library for the C and C++ developer wishing to provide integrated printer support from an application. The Kernel supports over 800 printers of all kinds, and allows printing of text and graphics on any supported printer. The Kernel also allows you to control: scale; rotation; position; palette; and dithering. The Presentation Graphics Option adds a graphics primitive library for producing high-quality graphics images at the maximum resolution of any printer. This option gives you: EMS/XMS support (DOS); 8-bit color support; HP Soft Font capabilities; a Font Editor and over 100 fonts; and more.

Specify operating system: DOS, Windows, OS/2, or Unix. Presentation Graphics Option requires Baby Driver Kernel. DOS variant requires DOS 3.1 or later. Windows variant requires Windows 3.1; OS/2 variant requires OS/2 2.0 or later. Specify 5.25" or 3.5" diskettes. Version 3.0. Full 30-day guarantee. Weight 5 lbs.

CICS OS/2 Version 2

IBM Corporation

IBM United Kingdom Laboratories Ltd.
Hursley Park
Winchester, Hampshire, United Kingdom S021 2JN

CICS OS/2 Version 2

Retail Price: SU: \$795 MU: \$3995 CL: \$150

Contact: IBM Direct Call Center

Phone: (800) 426-2255

Fax: (404) 238-3442

Int'l Contact: IBM, TS Marketing

Int'l Phone: +44 962 844 433 (Ask for: Steve Craggs)

Int'l Fax: +44 962 842 327 (Attn.: Steve Craggs)

Available: Sept. 24, 1993

CICS OS/2 Version 2 brings CICS to PC workstations as a high-performance robust transaction server supporting a variety of client environments.

CICS OS/2 Version 2 provides CICS(TM) transaction management to multiple users of LAN-attached programmable workstations and ARTIC-attached ASCII terminals. CICS OS/2 Version 2 operates as a server for clients, supports cooperative processing when required with other CICS family systems, and provides powerful online transaction processing (OLTP) capabilities to support business-critical applications and data in client/server environments. In addition, CICS OS/2 Version 2 provides enhanced CICS support for the single user at a stand-alone or host-attached workstation.

CICS OS/2 Version 2 is the CICS product family member for the programmable workstation, based on the OS/2 platform but with support for DOS and Windows. In particular, CICS OS/2 Version 2 is a client/server product and is designed to optimize the exploitation of client/server networked workstations. It provides the capability to place business applications and data on any server within the enterprise network, providing transaction-processing capability to any attached workstation. It also enables interoperation, with applications running under CICS or other platforms.

CICS OS/2 Version 2 comes in two options: multi-user and single-user. Multi-user provides support for DOS Windows, DOS, and OS/2 LAN-attached clients. Users of LANDP can connect as CICS OS/2 clients. Multi-user supports up to 40 ASCII terminals, and in the future will also provide support for Apple Macintosh

clients. Single user: CICS OS/2 Version 2 can be standalone, networked or host-connected.

Document Processing ToolKit (DPT)

Southern Computer Systems, Inc.

2732 7th Avenue South
Birmingham, AL 35233

Document Processing TookKit (DPT)

Retail Price: Call

Contact: Mark Golden, Dir. Marketing

Phone: (800) 533-6879, (205) 251-2985

Fax: (205) 322-4851

Int'l Contact: Maria J. Carballo

Int'l Phone:

Int'l Fax:

Available:

The Document Processing Toolkit (DPT) was specifically designed for use with medium- and high-speed document transports and scanners. Virtually any kind of image-based processing is possible, including remittance, credit-card, proxy, fulfillment, coupon and many more. The DPT includes the DPL or Document Processing Language, a high-level COBOL-like compiler for generating code to operate document transports and scanners. The DPL dramatically reduces the amount of code and time required to develop applications. The DPT also includes the following software development tools: Parameter Builder, System Text Editor, MenuManager, KeyEntry III, and ImageKey.

FaxForward(TM)

Computer Systems Integration, Inc.

373 Charles Street
Providence, RI 02904

FaxForward(TM)

Retail Price: \$1,550-\$3,850

Contact: Thomas A. Brassil

Phone: (401) 331-1117, (800) 841-0267

Fax: (401) 331-1118

Int'l Contact: Robert Newhook

Int'l Phone: (401) 331-1117

Int'l Fax:

Available: 1990

FaxForward, an IVR/FAX communication system, supports multiple simultaneous telephone lines. Separate versions provide either DOS or OS/2 support for single-line or multi-line control.

FaxForward(TM) is an Interactive Voice Response/Fax communication system designed to provide a software development platform for the creation of integrated voice, fax and database applications. It consists of an easy-to-use, yet powerful script and voice editor, designed for development, testing and implementation of interactive voice fax, and database applications for stand-alone or LAN/host-based systems. All application commands are available in pop-up windows for selections. All commands are validated at entry to assure a script that is operational and well balanced. This application-generator software can be designed for real-time, on-line access from the telephone connection to local databases.

Pre-developed application libraries (voice mail, automated attendant, fax on demand) and a run-time module are included. This system can be configured for up to 32 telephone ports. When networked together, virtually unlimited voice and fax ports can be configured.

FlexText v1.3

Extension Software

921 W. Meseto Avenue
Mesa, AZ 85210

FlexText v1.3

Retail Price: \$29

Contact: Robert Stuart

Phone: (602) 820-0321

Fax: (602) 820-2260

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

FlexText v1.3 for OS/2 2.x is a versatile 32-bit print utility providing convenient features for creating hardcopy reports.

Printing multiple pages per sheet speeds printing and cuts down on paper costs. FlexText provides this capability in both portrait and landscape modes, handling unlimited point size and font selection. Lengthy source listings or wide reports can be printed regardless of file or record length.

IBM mainframe developers will find that ANSI control-character translation allows mainframe reports to be printed on the workstation using any of FlexText's powerful features. The file-export function creates an ASCII file incorporating control character translation and tab expansion.

FlexText accepts page ranges and supports text copied to the OS/2 clipboard. Data can be browsed prior to printing, showing the full effect of carriage-control and line-feed characters.

FlexText is a Shareware product that provides a 60-day evaluation period. Once utilized, it will prove to be a valuable tool on the OS/2 desktop.

FloWare

Recognition International, Inc.

1310 Chesapeake Terrace
Sunnyvale, CA 94089

FloWare

Retail Price: \$10,000 and up

Contact: Sales Dept.

Phone: (408) 743-4300

Fax: (408) 747-1245

Int'l Contact: Recognition - U.K.

Int'l Phone: +44 793 614 110

Int'l Fax: +44 793 614 297

Available: June 1992

FloWare(TM) software is a client/server workflow management product for industry-standard environments. FloWare software is used to develop, execute and evolve automated workflows within an enterprise to help re-engineer business processes.

FloWare(TM) software is an interactive client/server workflow management product for industry-standard environments. FloWare software is used to develop, execute and evolve automated workflow processes within an enterprise and helps users to re-engineer business processes to maximize the efficiency and effectiveness of their organization.

FloWare software provides a set of network services that allow "work" (e.g., data, images) to move electronically between applications according to a user-defined workflow activity map. FloWare software includes a set of graphical client tools and APIs for developing, testing, and monitoring workflows, and uses an industry-standard relational database to manage the workflow data.

Users define workflows using the graphical FloWare Map-Builder(TM) tool. Workflows can be changed dynamically while work is in-process without modifying the desktop applications. While FloWare provides workflow services for applications, it does not actually perform any specific processing for a particular user; rather, it coordinates the movement of data between users. All workflow services are independent of the processing applications.

IBM Device Driver Source Kit (DDK) for OS/2

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

IBM Device Driver Source Kit (DDK) for OS/2

Retail Price: \$199.00

Contact: IBM OS/2 Order Center, Marketing

Phone: (800) 6DEVCON, (303) 924-9989

Fax: (800) 494-3045

Int'l Contact:

Int'l Phone:

Canada: (800) 465-7999

Brazil: 021 800 6120

Brazil fax: 021 800 6936

Mexico City: 627 2444

Mexico: 91 800 00639

The following require your country's international access code prior to the listed number.

Asia/Pacific (calling Sydney, Australia) +61 2 354 7684

All others (Europe, Middle East, Africa, and Latin America): Operators in Copenhagen, Denmark speak the following languages:

Dutch	+45 48101400	Italian	+45 48101600
-------	--------------	---------	--------------

English	+45 48101500	Spanish	+45 48101100
---------	--------------	---------	--------------

French	+45 48101200	Telefax	+45 48142207
--------	--------------	---------	--------------

German	+45 48101000		
--------	--------------	--	--

The DDK is a set of OS/2 device-driver source code, build and test tools, and documentation to enable rapid development of device drivers for OEM hardware, making them OS/2-compatible.

The IBM Device Driver Source Kit (DDK) for OS/2 on CD-ROM media contains: IBM's latest release of OS/2 device driver source code, build and test tools for several device drivers, and online documentation. Customers licensing the product will receive future, generally available releases to the product, if any, for one year from the ordering date. Many device drivers for OS/2 have been developed and are supplied in this kit. This working source code is far more than a foundation, and will enable rapid development of new device drivers. Additional sources and enhancements will be included in subsequent releases of the DDK as they become available. The DDK requires IBM OS/2 2.0 with ServicePak (XR06055) or IBM OS/2 2.1. The device drivers contained within this product are for versions of OS/2 2.0 or higher.

Legacy Workbench

KnowledgeWare, Inc.

3340 Peachtree Road, N.E.
Atlanta, GA 30326

Legacy Workbench

Retail Price: Contact KWI Directly

Contact:

Phone: (800) 444-8575, (404) 231-8575

Fax: (404) 364-0883

Int'l Contact: KWI World Headquarters (Paris)

Int'l Phone: +33 1 4417 6400

Int'l Fax:

Available: Current

The Legacy Workbench is a comprehensive set of tools that accelerate the maintenance, redesign and migration of existing mainframe-based systems.

This cooperative processing product running under OS/2 and MVS is comprised of four components: (1) Application Assessment; (2) Program Documentation; (3) Program Restructuring; and (4) Graphical Maintenance. Using these components, the Legacy Workbench lets you efficiently access the quality of application code, as well as document, restructure and modify programs to lower the cost of supporting existing systems.

Maintenance Workbench

INTERSOLV, Inc.

3200 Tower Oaks Boulevard
Rockville, MD 20852

Maintenance Workbench

Retail Price: Call

Contact: Jeff Schwartzman, Marketing Manager

Phone: (301) 230-3200, (800) 777-8858

Fax: (301) 231-7813

Int'l Contact: InterSolv UK

Int'l Phone: +44 72 781 2812

Int'l Fax:

Available:

INTERSOLV Maintenance Workbench provides a full-function desktop maintenance environment for controlling and managing IBM mainframe COBOL maintenance costs and backlogs.

INTERSOLV Maintenance Workbench is a desktop application maintenance environment that increases your overall understanding of existing COBOL applications, and coordinates maintenance activities between the desktop and mainframe. Using the Maintenance Workbench, you can safely downsize maintenance activities to the more productive desktop environment.

All your application source code can be loaded into the Maintenance Workbench, making it possible to research and enhance your applications on a system-wide scale. Maintenance Workbench enables you to create your own customized, open work environment by seamlessly integrating your preferred tools on the desktop, under IBM OS/2 PM or Microsoft Windows.

Maintenance Workbench loads all elements of an MVS COBOL application, including VS COBOL and COBOL II source, teleprocessing monitors (CICS BMS, IMS MFS), database systems (IMS/DB, DB2, VSAM), and job-control language (JCL). Application-wide research facilities give you intuitive point-and-click access to related information, and the ability to "tag" research for later retrieval and reporting.

Maintenance Workbench's integration capabilities let you create a customized work environment that integrates your chosen suite of tools, with full security and control capabilities for LAN-based maintenance workgroups.

Menuet/CX

Autumn Hill Software, Inc.

1145 Ithaca Drive
Boulder, CO 80303

Menuet/CX

Retail Price: Call

Contact: Judith Spose, President

Phone: (303) 494-8865

Fax: (303) 494-7802

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Nov. 1, 1993

Menuet/CX is a multi-platform GUI Application Framework for the C++ language. It provides a true single-source capability with thorough functionality and outstanding aesthetics. Features include full CUA compliancy; wide range of GUI controls and prebuilt dialogs; Window, Font, and Icon editors; many prebuilt font and icon files; graphics file I/O using BMP, PCX, and TIFF formats; formatted data-entry fields and other text capabilities. DOS variant supports graphics libraries from Borland, Flash Tek, Genus, Metagraphics, and Microsoft; DOS variant supports 286 and 386 extenders from Flash Tek, Phar Lap, and Rational; DOS variant includes EMS/XMS support. Additional extension packages are available to enhance the CX Kernel's capabilities. These include Pen Extensions, for developing pencentric applications with CIC's PenDOS; Lab Instrumentation Extensions, which provide a wide range of instrument-style widgets, dials, meters, strip charts, and switches; other extensions are being planned.

Specify operating system or systems: DOS; Windows; OS/2; Combined DOS-Windows-OS/2; or Unix. Requires a C++ compiler from Borland, IBM, MetaWare, Microsoft, WATCOM, or Zortech, or the Gnu C++ compiler for Unix. Specify 5.25" or 3.5" diskettes. Version 2.0. Full 30-day guarantee. Weight 5 lbs.

Metaview/2 CICS

Metafile Information Systems, Inc.

421 First Avenue, S.W.
Rochester, MN 55902

Metaview/2 CICS

Retail Price:

Contact: Nick Sprau Marketing Director

Phone: (507) 286-9232

Fax: (507) 286-9065

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Image-enable your legacy CICS applications with one EXEC CICS command! No programming on the PC. Provides document image retrieval and display concurrent with 3270 display.

Metaview/2 CICS gives your legacy CICS application programmers the ability to retrieve a document image (stored locally, or on a LAN on disk or optical) and display that document image as part of a transaction being run on a workstation doing 3270 emulation. This allows the application to remain a single unit for maintenance also.

The legacy CICS application must only issue one EXEC CICS command, which passes a formatted message to ImageView CICS. Part of that formatted message is an identifier, which is the name by which the image is known on the workstation or LAN.

Implementation of ImageView CICS only requires CICS OS/2 connected to your legacy CICS via CM/2.

ImageView CICS integrates with Metafile's document image processing and workflow products to provide a complete document-imaging solution.

Natural Query

FairCom

4006 W. Broadway
Columbia, MO 65203

Natural Query

Retail Price: End User: \$169 VAR: \$395

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediate

Produces ad-hoc reports quickly/easily from English sentences. Low-cost natural-language tool for developers and a broad range of users. VAR end-user versions.

Natural Query allows you to query c-tree and c-tree Plus databases without programming. Formulate queries using plain English, ANSI-standard Structured Query Language (SQL) calls (if using the FairCom SQL Server), or the Query-By-Example (QBE) method. Query sessions are maintained so that one may easily reuse any query or report. Each session may be customized to the user's personal vocabulary. The Developer's Package lets software developers add Natural Query's capabilities to their applications, giving their end users the ability to query in English, SQL or QBE. Specify DOS or OS/2.

Specify 5.25" or 3.5" diskettes and whether c-tree or c-tree Plus. Version 1.3. Limited 30-day guarantee. 2.5 lbs.

OS/2 2.x Device Driver Toolkit and Library

Personal Systems Software, Inc.

15 Great Oak Lane
Unionville, CT 06085

OS/2 2.x Device Driver Toolkit and Library

Retail Price: \$79 - \$149

Contact: Steve Mastrianni

Phone: (203) 693-0404

Fax: (203) 693-9042

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Toolkit for developing OS/2 2.x physical and virtual device drivers.

Includes a library with over 100 functions for device-driver writers. Contains complete source code for 5 physical device drivers and 1 virtual device driver. Includes header files, source code, and utilities for MicroChannel device drivers, serial and parallel device drivers, scatter/gather code, DMA utilities, and a sample device monitor written in IBM C Set/2.

Person to Person/2

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Person to Person/2

Retail Price: \$280.00

Contact: Sales

Phone: (800) 887-7771, (415) 988-0741, (800) IBM-CALL, (800) 465-1234 x1201
(in Canada)

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Person to Person/2 is a collaborative computing environment that allows people (programmers) to work together even when they can't be in the same place at the same time.

Person to Person/2 has a number of features that make "electronic collaboration" as easy as dialing a phone or drawing on a chalkboard. Once your call is established, you can use the Capitalboard feature to share your data and applications with other participants. In fact, you can have several chalkboards in action at once. Use them to show bitmaps, scanned data, text of programming code, or to mirror another application window.

Person to Person/2 increases decision-making accuracy and speed. It increases employee and programmer productivity as well as reduces interoffice movement and travel requirements.

PlantWorks(R): Application Automation Edition

IBM Corporation

IBM, Internal Zip 4303
P.O. Box 1328
Boca Raton, FL 33429-1328

PlantWorks(R) : Application Automation Edition

Retail Price: \$8000 on 1 system

Contact: Gary Paradise, Business Area Manager

Phone: (800) 426-3333, (407) 443-9068

Fax: (407) 443-6824

Int'l Contact: Local IBM Office

Int'l Phone:

Int'l Fax:

Available: 12/31/93

PlantWorks(R) is a user-extendable system for creating and running distributed solutions, providing an environment in which applications are driven by events as they happen. The products that make up PlantWorks use the capabilities of Operating System/2 to provide session and process management, file and memory management, graphical views of the solution, and I/O-device support. PlantWorks is typically used to develop SCADA (Supervisory Control and Data Acquisition) solutions for the plant floor.

PlantWorks helps create multi-tasked, distributed applications without the complexity of software programming. The system provides a highly graphical programming tool, in appearance much like flow-charting, that can be used for defining application logic. The application logic can be constructed from an extensive library of ready-to-use building block functions, and the library can be extended by programmers using the C language. Fill-in-the-blank screens can also be used to define data, specify device configuration, assign application activities to various controllers, and specify operational alarms. The person creating the application also has access to supporting facilities for creating reports and colorful, animated displays that depict the operation of the application during run-time.

Significant reductions in development and life-cycle costs are possible with PlantWorks, because the people who understand the process can create, modify, and maintain the application that provides the solution. Changes in the process, necessitated by market requirements, schedule changes, equipment replacement, or other causes can be made by the most knowledgeable people by modifying or

enhancing the existing control applications. PlantWorks automatically documents these modifications to support the needs of new or changing users.

PM2YOU Remote Access Facility

Ridax Programutveckling

Kransen 4E
Gothenburg, Sweden 416 72

PM2YOU Remote Access Facility

Retail Price: \$2000 Sek/\$265 USA

Contact: Mikael Wahlgren

Phone: +46 31 196074, +46 10 6673880

Fax: +46 31 196417

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1 March 1993

Allows remote control of PM Desktop and programs via dial-up asynchronous connections or LAN clients for both OS/2 PM and DOS Windows. Available to allow remote control from these environments.

PM2YOU will enable you to remote control your PM desktop with PM programs and OS/2 or DOS character-mode programs, via dial-up phone lines or networks. You can control PM programs from both another OS/2 machine or Windows machine. Character-mode programs can be remote-controlled from dumb terminals or common terminal programs. You can also perform file transfers via fast and standardized protocol like Xmodem or Zmodem. A smaller version, called OS2YOU, available for 95 USD, will only handle character-mode programs.

Print Services Facility/2 (PSF/2)

Pennant Systems

501 Merritt 7
Norwalk, CT 06856

Print Services Facility/2 (PSF/2)

Retail Price: \$1,495

Contact:

Phone: (203) 849-6844, (800) IBM-CALL

Fax: (203) 849-6825

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Bring the power and sophistication of IBM's Advanced Function Printing(TM) technology to your LAN with IBM Print Services Facility/2(TM). PSF/2 gives you seamless S/370 and AS/400 host and LAN printing.

PSF/2 functions as a LAN print server, supporting multiple workstations, data streams and printer types--a great solution for your high-function, high-capacity or departmental printer requirements. It also consolidates printing throughout the enterprise by allowing both the host and workstation application data to be printed on a wide range of LAN-attached printers. PSF/2 V1.1:

- " Supports print submission from DOS, Windows, OS/2, UNIX, AIX, and Macintosh applications.
- " Supports print submission from S/370 and AS/400.
- " Includes LAN printer sharing by host and LAN applications.
- " Supports all IBM IPDS Page Printers as well as PPDS, PCL 4 and 5 printer data streams, and PostScript as an input data stream.
- " Provides local control of spools, printers and resources.
- " Server runs on OS/2.
- " Works with IBM OS/2 and Novell NetWare LANS.
- " Supports Adobe Type 1 fonts.
- " Includes a free starter set of over 800 fonts, plus a Type Transformer program to convert Adobe Type 1 fonts for printers supported by any PSF.

qCF

Quadron Service Corporation

209 East Victoria Street
Santa Barbara, CA 93101

qCF

Retail Price: Call

Contact:

Phone: (805) 966-6424

Fax: (805) 966-7630

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

qCF is an integrated development and runtime environment for multi-tasking communications applications using IBM ARTIC co-processor cards. It includes device drivers, loaders, symbolic-analysis debug tools, and I/O drivers.

Quadron's qCF is an integrated C-language software development and runtime support environment. It is used to write multi-tasking applications for IBM ARTIC co-processor cards that reside in host PS/2s and workstations. It provides all the services and tools necessary for ARTIC development.

By teaming qCF with intelligent ARTIC cards, the user can free computer applications from the demands of repetitive, time-consuming chores.

Extensive knowledge of ARTIC hardware is unnecessary. Complicated application design has been reduced to simple open/close, read/write concepts.

The user writes in IBM C Set/2 for the system unit and Microsoft C for the ARTIC application, compiles them, loads the ARTIC application to an ARTIC card with the included loader, then runs it directly on the card.

Development with qCF is fast because you don't have to deal with low-level ARTIC code. It's fast because it uses standard compilers and standard C library functions. And it's fast to debug because of Quadron's realtime symbolic debugger and statistics monitor.

There are two qCF components, and both are needed to create a communications solution. The qCF Developer's Toolkit is needed for developing the application

on a workstation. Then a separate copy of qCF Runtime Support is needed for each ARTIC card in order to execute the program that was created with the Toolkit.

qLAPB

Quadron Service Corporation

209 East Victoria Street
Santa Barbara, CA 93101

qLAPB

Retail Price: Phone Sales

Contact: Bill Bittancourt, Marketing Representative

Phone: (805) 966-6424

Fax: (805) 966-7630

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Communication software supports multiple implementations of the LAP-B protocol for PS/2 or workstations that have IBM ARTIC co-processor cards.

Quadron's qLAPB provides a complete implementation of the industry-standard, link-layer, LAP-B communication protocol. It utilizes a qLAPB task that resides in an IBM ARTIC co-processor card, and contains all frame-level procedure code needed to implement LAP-B. The qLAPB task communicates with a user application through an Application Programming Interface (API) supplied with the software.

A number of operational parameters can be set with either user-determined or default values. Runtime statistics are automatically collected on both high-level and low-level HDLC activity. A frame history buffer of user-determined size contains data on the most recent frame activity.

There are two qLAPB components. Use the qLAPB Developer's Toolkit for developing the application on a workstation. Then use a separate copy of qLAPB Runtime Support for each ARTIC card in order to execute the application program.

qX25

Quadron Service Corporation

209 East Victoria Street
Santa Barbara, CA 93101

qX25

Retail Price: Phone Sales

Contact: Bill Bittancourt, Marketing Representative

Phone: (805) 966-6424

Fax: (805) 966-7630

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

An open-architecture X.25 implementation using IBM ARTIC cards; includes fast select support, communication statistics packet and frame trace, and multiple lines per card.

Quadron's qX25 communication software is an open-architecture implementation of the standard link and network layer, packet-switching X.25 protocol. The X.25 protocol processing is offloaded from the PS/2 or workstation to IBM ARTIC co-processor cards.

All levels of X.25 operate as a single ARTIC task that requires no computer resources beyond initialization. Users can specify up to 100 simultaneous virtual circuits per line, and packet sizes up to 1024 bytes.

For simple applications, qX25 makes X.25 facilities available to application programs, so you can fine tune parameters for frame, packet, time-out, and application interface levels.

There are two qX25 components. Use the qX25 Developer's Toolkit to develop the application on a workstation. Then use a separate copy of qX25 Runtime Support for each ARTIC card in order to execute that application.

TPRINT for OS/2

Innovative Data Concepts, Inc.

122 North York Road
Suite 5
Hatboro, PA 19040

TPRINT for OS/2

Retail Price: \$59

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 2 534 7093

Int'l Fax:

Available:

TPRINT lets you design your program's output without regard to which printer is attached to the end-user's computer. TPRINT is designed to provide a consistent, hardware-independent method for specifying the appearance of reports and other printed output. Many popular printer drivers are included, as well as a printer configuration module to use as "stand-alone" or to link with your program.

TPRINT accomplishes this goal by arranging each page of output in a buffer and sending it all to the printer when the page is ready. The fancy page-layout techniques usually associated with PostScript or similar systems become available to even the least expensive dot-matrix printers.

All format control (header definition, font selection, character size, justification methods, and more) is accomplished by means of a standard set of control codes which are unique to TPRINT and do not vary from one printer to another. TPRINT maps these codes into printer-control sequences as required, using a configuration file which you set up for the printers you want to support.

TranslationManager/2

IBM Corporation

Somers, NY

TranslationManager/2

Retail Price: \$5000

Contact: IBM IBM Germany

Phone: (800) IBM-4TM2, +49 7031 166357

Fax: +49 7031 166736

Int'l Contact: Wolf Guercke

Int'l Phone:

Int'l Fax:

Available: July 1992

Computer-assisted translation into 19 languages. Translation memory for repetitive work, terminology management, wordcount. Support of WordPerfect, Ventura, SGML, ASCII, BookMaster, RTF.

TranslationManager/2 was developed based on the requirements of IBM's worldwide translation centers. A special editor designed by translators; terminology management allowing use of external dictionaries; and buildup of company specific terminology data bases are the key functions.

With the LAN Server, translation workgroups are supported. Several formats for texts are supported. Make-up tags are preserved during translation.

Translation is possible between languages like English, French, Italian, German, Spanish, and also from English into Russian, Chinese, Japanese or other languages supported by OS/2.

X IPC

Momentum Software Corporation

401 S. Van Brunt Street
Englewood, NJ 07631

X IPC

Retail Price: From \$7,000

Contact: Donald Jordan, Sales

Phone: (201) 871-0077, (800) 767-1462

Fax: (201) 871-0807

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 2/1/93

X IPC: Software toolkit for developing advanced multitasking and distributed systems. Provides enhanced interprocess communications functionality, inter-OS portability, realtime monitoring, and interactive debugging of IPC activities.

The development of transaction-processing and other distributed applications requires the use of sockets, named pipes, RPCs, and the InterProcess Communications (IPC) functionality of multi-tasking operating systems. However, those software mechanisms are up to 18 years old and cannot handle effectively the requirements of today's distributed applications.

X IPC(TM) provides to the developer of distributed applications, on and across UNIX, VMS, MVS/CICS, OS/2, Windows, DOS, Macintosh and other platforms: far more IPC functionality than is available with those operating systems, network transparency (TCP/IP, DECnet, IPX/SPX, APPC and NetBIOS), a single high-level API, and software engineering tools which include real-time monitors and on-line IPC debuggers. Additionally, X IPC provides asynchronous processing options and triggers that enable the development of event-driven applications; and, as such, X IPC supports the popular event-driven GUI interfaces (i.e., X-Windows.)

The benefits derived from using X IPC are application reliability, application portability and sociability, and operating system and protocol interoperability.

AM/Harvest

Intelligent Environments, Inc.

2 Highwood Drive
Tewksbury, MA 01876

AM/Harvest

Retail Price: \$5,000 per server

Contact:

Phone: (508) 640-1080, (800) 669-2797

Fax: (508) 640-1090

Int'l Contact: Sales Dept.

Int'l Phone: +44 932 772266

Int'l Fax:

Available:

AM/Harvest allows members of development teams to perform "where-used" analysis across different programmers' modules, determine the system-wide impact of code changes, and share code more easily.

AM/Harvest is part of the AM family of client/server development tools. It is a comprehensive project-manager and documentation tool that reduces the cost of large-scale client/server application-development projects. It does so by offering teams of programmers capabilities for change-management and "where-used" impact analysis--streamlining application design, construction, and modification. AM/Harvest reads and analyzes program listings, stores the information in a repository, and automatically documents the application. It enables previously-developed code to be "harvested" for better maintenance and for re-use in new applications. Among AM/Harvest's unique and powerful capabilities is the quick generation of complete on-line system documentation in easy-to-use hypertext format (OS/2.INF files). All references to variables, procedures, functions, and modules are hot-linked to full details on the usage of each entity.

AM/Harvest offers the maintenance and project-control benefits of CASE, without the extensive "up-front" requirements. It assists in analyzing data flow between development modules, and assists new programmers in learning existing applications--which is highly beneficial for organizations using teams of programmers and/or contract programmers.

ANSWER:Architect for OS/2

Sterling Software, Applications Development Division

9340 Owensmouth Avenue
Chatsworth, CA 91313

ANSWER:Architect for OS/2

Retail Price: Call

Contact: Rob Williamson

Phone: (818) 716-1616

Fax: (818) 998-2171

Int'l Contact: Bernard Haddad

Int'l Phone: +33 1 4900 1300 (France)

Int'l Fax: +33 1 4774 5291

Available:

Sterling Developer for OS/2 provides an interactive, multi-user modeling environment for the complete systems planning and development process.

The system consists of a shareable local or LAN-based repository and an integrated PC-based planning, analysis, and design workbench which can access in real-time the central repository, while a menu-driven SQL query language and built-in capabilities validate designs for consistency and completeness. This package supports the development process beginning with the strategic plan (or enterprise model) and extending down to and including detailed programming specifications, while allowing the system development team to begin the process whenever they wish. The product provides for project, multi-user simultaneous development, and the reusability of all objects created during the development.

Background Master I, Priority Master I, Priority Master II

ScheduPerformance, Inc.

3474 N. University Drive, Suite 217
Sunrise, FL 33351

Background Master I, Priority Master I, Priority Master II

Retail Price: \$39/\$79/\$89

Contact: Ted Waldron III, President

Phone: (305) 486-8299

Fax: (305) 486-5018

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/01/93

Certainly one of the most important features of OS/2 is its priority preemptive multitasking capability. ScheduPerformance, Inc. is now offering you three completely new 32-bit Presentation Manager applications which FULLY exploit that feature. These applications were designed to take control away from the operating system and application designers and give it to the USER.

How important is that, you ask? Suppose that you have five compute-bound applications that would take two minutes each. Start them all at the same time. The one in the foreground would complete in two minutes. The remaining four in the background would all complete, nearly simultaneously, in ten minutes. Using the modest offering Background Master I, you can prioritize the remaining four to complete in four, six, eight and ten minutes! With Priority Master I, you can also have the background applications higher in priority than the foreground. These were developed for the general public. Priority Master II was developed specifically for the OS/2 professional developer. All three are very effective in heavy multitasking and/or memory-overcommit scenarios.

Priority Master I and II have auto-level scanning logic that dynamically determines the minimum usable idle priority and minimum usable priority defaulting.

All three can be used to prioritize OS/2 programs in full-screen or windowed mode. The priority level is in the window title bar and in the task list. These applications automatically build an icon on the desktop at installation time.

All three applications are simple to use, and contain Tips, Questions and

Answers, program interaction analysis, and display information to guide you along. These 32-bit Presentation Manager applications come with a 30 day money back guarantee and work on OS/2 2.0 and 2.1.

Bench

Curran Software Inc.

4739 University Way, N.E., #1511
Seattle, WA 98105

Bench

Retail Price: DM 249/\$249

Contact: Thomas Marvin Sales and Marketing

Phone: (206) 525-8218

Fax: (206) 525-8309

Int'l Contact: Curran Software GmbH, Belfortstrasse 6-8, 81667 Munich, Germany

Int'l Phone: +49 89 481 006

Int'l Fax: +49 89 44 71141

Available: 01/93

Bench is an OS/2 programmer's workbench which lets you integrate compilers, editors, linkers, make systems, deloggers, and other apps into one workplace. Any tool can be launched with its environment.

Bench lets you launch any OS/2, Windows, or DOS tool, including any command-line arguments, from its menu. Configurations are stored for later access. You can use Bench to create complete menu systems for tasks such as programming, documentation, or testing. Bench includes a complete version-control system (Curran RCS).

BRIDGE/FASTLOAD

Bridge Technology, Inc.

419 Boylston Street
Boston, MA 02116

BRIDGE/FASTLOAD

Retail Price: \$99-\$999

Contact: Sales

Phone: (617) 424-6266

Fax: (617) 424-6621

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

BRIDGE/FASTLOAD loads data into IBM DATABASE 2 OS/2 (DB/2) up to eight times faster than any other method available. It is especially effective when used with OS/2 applications which require that large amounts of data be placed in the database at regular intervals.

BRIDGE/FASTLOAD significantly reduces the time and disk space required to move data into DB2/2. Load-time improvements of up to eight times were observed in tests involving 600 megabytes of data. During these tests, disk-space usage was reduced by 33%. BRIDGE/FASTLOAD uses its own data-loading procedure to produce a DB2/2 DAT retrieval file. This file is then placed directly into DB2/2 without invoking any logging procedures. BRIDGE/FASTLOAD will accept data from any delimited or non-delimited text file, or SQL statements for placement into DB2/2. FASTLOAD can also be used to provide high-speed data transfer from one copy of DB2/2 to another. BRIDGE/FASTLOAD is available in a single-user edition and a server edition. There is also a DB2 edition for those applications that move data directly from DB2 on the mainframe to the OS2 LAN. The DB2 edition provides the application with the ability to use the power of the mainframe to generate DB2/2DAT files directly on the host for distribution to multiple OS/2 servers. The 32-bit version of BRIDGE/FASTLOAD is available now.

Cascade Voice Tools

Cascade Technologies, Inc.

1430 Broadway
New York, NY 10018

Cascade Voice Tools

Retail Price: Call

Contact: Neil Swanson

Phone: (212) 768-7380, (212) 768-7388

Fax: (212) 768-7806

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Voice Tools provides a full-featured application generator and runtime environment for the full range of voice-processing applications. With Voice Tools, a personal computer, and a voice processing card, Voice Tools users quickly create and go "on-line" with powerful voice-processing applications.

A single PC provides up to 48 callers with simultaneous access to multiple applications. Two or more personal computers may be networked, allowing simultaneous access by hundreds of callers.

For smooth integration with existing and future related computing needs, Voice Tools operates and interacts in an environment of industry standards:

- " OS/2 Version 2.1
- " Dialogic Corporation Voice Processing Cards
- " Data files in ASCII, dBASE, Clipper, Fox, Oracle SQL, and Btrieve formats
- " Standard phone lines, T-1, and PBX telephone connections
- " Novell, LAN Manager, and Banyan Local Area Network access
- " 3270 Emulation Host Connectivity
- " Facsimile transmission

Voice Tools uses a hybrid form/command approach: Keypad-like screens allow rapid construction of an application's structure, and extensive commands provide precise control of call interactions. Optionally, Voice Tools allows "C" programmers to create sophisticated DLL modules for custom database interfacing or proprietary processing.

CICS spII

Flexus International Corporation

P.O. Box 640
Bangor, PA 18013-0640

CICS spII

Retail Price: \$1995

Contact: Robert T. Wolfe, Director of Marketing

Phone: (215) 588-9400

Fax: (215) 588-9475

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CICS spII is a User Interface Development System designed to allow the mainframe CICS programmer to quickly design interactive screens for a Command-Level CICS COBOL application on a PC. CICS spII consists of 3 facilities to help the programmer develop a CICS user interface. The three components include an interactive screen painting tool, a rapid prototyping tool, and a code generator. Menu screens, input/output screens, and help screens may be quickly and easily painted with the screen painting tool, then linked together in a sophisticated prototype of the final application. The prototype may incorporate conditional processing, so that the working model developed looks and behaves exactly like the application being developed. The prototype may be sent out independently of the development tool, so that end-users or customers have an opportunity to try the system model. Once the prototype has been reviewed and approved, the programmer may convert the prototype into a Command-Level CICS COBOL screen-handling program. Programmers may wish to use a CICS emulation system to emulate CICS processing before transferring the CICS source code to the mainframe for final testing.

CM Mouse

IBM Corporation

200 Silicon Drive, Department CBRA
Building 667
RTP, NC 27709

CM Mouse

Retail Price: \$81-\$165

Contact:

Phone: (800) 334-5818, (919) 254-7721

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Develop a robust and flexible point-and-shoot interface for your existing host applications! CM Mouse lets you build a complete and easy-to-use mouse interface to host 3270 and 5250 applications, with no change to the host programs. CM Mouse complements your existing 3270 or 5250 host interface with context-sensitive point-and-shoot, popup selection lists, popup dialogs, and scripts which can sequence an entire set of host interactions. Screen recognition techniques allow unique "hot spots" to be defined on each host screen, giving greater power and flexibility. A powerful REXX interface gives ultimate flexibility and scripting power. CM Mouse is completely transparent to host applications and can be used without any changes to existing host programs. Fully functional sample scripts are provided for OfficeVision (VM, MVS, AS/400) and other applications.

CodeCheck/5.0

Abraxas Software, Inc.

5530 S.W. Kelly
Portland, OR 97201

CodeCheck/5.0

Retail Price: \$995

Contact: Tana rae Kuntz, Sales

Phone: (800) 347-5214, (503) 244-5253

Fax: (503) 244-8375

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Shipping

CodeCheck/2 5.0 is a programmable tool for analyzing all C and C++ source code on a file or project basis. Input compatible with all variants of K & R, ANSI C and C++ (Microsoft, Metaware, Borland, Zortech, Intel, and GNU). CodeCheck is designed to solve portability, maintainability, complexity, reusability, quality assurance, style analysis, library/class management, code review, software metric, standards adherence, and corporate compliance problems.

CursorPower

North Shore Systems, Inc.

774 Mays Boulevard #8

P.O. Box 8687

Incline Village, NV 89452-8678

CursorPower

Retail Price: \$49.95

Contact: Richard Stouffer

Phone: (702) 831-1108

Fax: (702) 831-8553

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 5/1/93

CursorPower(TM) is a pointer enhancement utility for OS/2.1. CursorPower provides the ability for you to replace OS/2 pointers with pointers in the supplied libraries or pointers you create. You also have the ability to save new pointers to the pointer libraries and extract points into .PTR resources. CursorPower provides a way for you to configure it to remember which pointers you want to use. CursorPower automatically loads your cursors every time you start OS/2. Also comes with Windows version on same disk.

The Developer Connection for OS/2

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

The Developer Connection for OS/2

Retail Price: \$199.00

Contact: IBM Order Fulfillment

Phone: (800) 6DEVCON

Fax: (303) 330-7655, Canada: (800) 561-5293

Int'l Contact:

The following can only be called from within that country/city:

Canada: (800) 465-7999

Brazil: 021 800 6120

Brazil fax: 021 800 6936

Mexico City: 627 2444

Mexico: 91 800 00639

The following require your country's international access code prior to the listed number:

Asia/Pacific +61 2 354 7684 (calling Sydney, Australia)

All others (Europe, Middle East, Africa, and Latin America):

Operators speaking the following languages are available:

(calling Copenhagen, Denmark)

Dutch	+45 48101400	Italian	+45 48101600
-------	--------------	---------	--------------

English	+45 48101500	Spanish	+45 48101100
---------	--------------	---------	--------------

French	+45 48101200	Telefax	+45 48142207
--------	--------------	---------	--------------

German	+45 48101000
--------	--------------

Int'l Phone:

Int'l Fax:

Available:

The Developer Connection for OS/2 annual subscription includes 4 CD-ROMs packed with tools and information, a technical newsletter, and access to a private section on CompuServe.

The Developer Connection for OS/2 is an annual subscription program that provides the subscriber with 4 CDs packed with the latest development tools and utilities, pre-release system software, product demos, extensive technical information, and sample code. With each CD you will also receive a newsletter filled with information about the latest OS/2 development tools, book reviews, tips and

techniques, and future directions. Additionally, you'll have access to the Developer Connection section on the OS2DF2 on CompuServe, where you can ask questions and receive fast, clear, and direct answers.

The Developers Toolkit for OS/2 2.1

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

The Developers Toolkit for OS/2 2.1

Retail Price: \$139.00

Contact: IBM OS/2 Order Center, Marketing

Phone: (800) 342-6672

Fax: (800) 445-2426

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 6/18/1993

The Developers Toolkit for OS/2 2.1 contains bindings, tools, sample programs, and documentation to assist the OS/2 software developer.

These build, resource, MMPM/2, and PM tools, as well as the System Object Module (SOM) precompiler, can be integrated with IBM WorkFrame/2, and are designed specifically to enhance productivity as follows:

Create and modify dialog boxes for use with PM programs.

Create and modify fonts for use with PM programs.

Create and modify icons, bit maps, and pointers for use with PM programs.

Create .HLP files for panels, or viewable .INF files from tagged files.

Create binary files from resource-editor files, making the resources (dialog boxes, fonts, icons, bit maps, pointers) available to the application.

Access and create classes or objects.

Convert an error, help, prompt, or general text information file to a binary format for display at runtime.

Convert MIDI files from format one to format zero.

Definitions of OS/2 2.1 and MMPM/2 API are provided in the C-language headers and MASM include files that allow the creation of OS/2 2.0, OS/2 2.1, and MMPM/2 applications, subsystems, and device drivers.

The sample programs included with the Developers Toolkit for OS/2 2.1 and MMPMTK/2 demonstrate how the APIs are used, and can be used as models for the application being developed, to help speed up the development process.

Docutrieve

Imaging Automation

7 Henry Clay Drive
Merrimack, NH 03054

Docutrieve

Retail Price: \$40,000

Contact: David Wells, Director of Marketing

Phone: (603) 598-3400

Fax: (603) 598-3422

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Docutrieve(R) provides a document management system that allows you to take advantage of the latest in document image technology without having to reorganize your mode of operation.

Operators need no previous computer experience to use Docutrieve. Docutrieve's intuitive controls and menu structure provide you with a simple-to-use, easy-to-operate workflow management system. With its interactive on-line help system and instructive coaching window, Docutrieve guides you at every turn. In addition, an up-to-the-second status line is displayed continually to apprise you of the current state of important system functions and operations. Further, Docutrieve offers features such as mouse utility, single-key functionality, OCR capability, and image display for data entry to make an operator's workload easier.

ESW Program Understanding

VIASOFT

3033 N. 44th Street
Phoenix, AZ 85018

ESW Program Understanding

Retail Price: \$19,800-\$90,750

Contact: Ross Barrington, Dir. of Marketing

Phone: (800) 525-7775, (602) 952-0050

Fax: (602) 840-4068

Int'l Contact: Roger Philips

Int'l Phone:

Int'l Fax:

Available:

ESW Program Understanding enables users interactively to view and track COBOL program logic. The product provides comprehensive information about a program's organization, structure, data relationships, and logical execution paths.

ESW Program Understanding provides an automated solution for laborious manual techniques of COBOL program investigation. The OS/2 workstation interface brings the benefits of windowing, multi-tasking, and reduced mainframe interaction. It provides SAA CUA-compliant screens, windows, and operational features, for enhanced productivity.

FAX & Voice API

Brooktrout Technology, Inc.

144 Gould Street
Needham, MA 02194

FAX & Voice API

Retail Price: \$300

Contact: David Lowe, Vice President of Sales

Phone: (617) 449-4100, (800) 333-5274

Fax: (617) 449-9009

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 1993

Brooktrout Technology's Fax/Voice API is a toolkit of C-language functions used to develop sophisticated fax and voice systems.

The Brooktrout Technology fax and voice application programming interface (API) provides the developer with a set of functions for creating advanced fax and voice systems. The strong support of both fax and voice functions gives the user a unified environment to develop integrated applications. Most operations are supported at both a high and a detailed level to give the developer the flexibility needed to produce an application with the appropriate level of sophistication. The API, driver and application examples are available for use under OS/2, UNIX, QNX and MS-DOS.

The applications developed with the API operate with Brooktrout Technology's 2-, 4-, and 8-channel cards. All cards occupy a single slot in the chassis and support both fax and voice functions. On-card processing power reduces the load on the host CPU, allowing greater density and reduced costs. The resulting systems can range in size from 2 channels to multi-chassis, network-based, geographically-distributed systems with 48 or more channels per chassis. Loop start, DID, and T1/E1 line interfaces are available.

Flexload

The Peregrine Group, Inc.

200 N. Northwest Highway
Suite A
Barrington, IL 60010

Flexload

Retail Price: \$5,000

Contact: Timothy L. Vollman, President

Phone: (708) 381-8760

Fax: (708) 381-8792

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/1/93

Flexload is an IBM OS/2 utility software designed to provide maximum speed and flexibility (5 times faster than REXX) in loading data into the OS/2 DBM.

Flexload provides an option to load data into as many DBM tables as desired simply by designating which tables are to be loaded. You may also specify the "commit" amount, which will also improve the load time. You will no longer need to maintain multiple REXX programs or other load modules, since Flexload will automatically rebuild your load program each time the destination-table structure changes.

IBM Continuous Speech Series/2 Developers Toolkit

IBM Corporation

100 Lake Forest Boulevard
Gaithersburg, MD 20877

IBM Continuous Speech Series/2 Developers Toolkit

Retail Price: \$399 List

Contact: Justin Golden, Product Administrator

Phone: (914) 766-3528

Fax: (914) 766-3865

Int'l Contact: Phil Horan

Int'l Phone: (604) 943-2337

Int'l Fax:

Available: July 2, 1993

Development tools to speech-enable your application, providing both Continuous Speech and Speaker Independence along with industry sound-card support.

The IBM Continuous Speech Series is a set of programs that consists of a toolkit for developing speech-enabled applications and a runtime for execution and operation of those applications. The developer's toolkit provides the necessary tools for application programmers to speech-enable their existing products or develop new applications which exploit speech recognition. Using the speech-recognition Application Programming Interface (API), developers can produce applications that recognize and process a continuous flow of spoken U.S. English words. Using ICSS can help the user to enhance the functionality of many software applications and to develop new software applications that meet the dynamic needs of today's markets.

IBM Continuous Speech Series/2 Runtime System

IBM Corporation

100 Lake Forest Boulevard
Gaithersburg, MD 20877

IBM Continuous Speech Series/2 Runtime System

Retail Price: \$299 List

Contact: Justin Golden, Product Administrator

Phone: (914) 766-3528

Fax: (914) 766-3865

Int'l Contact: Phil Horan

Int'l Phone: (604) 943-2337

Int'l Fax:

Available: July 2, 1993

Development tools to speech-enable your application providing both continuous speech and speaker independence along with industry sound-card support.

The IBM Continuous Speech Series is a set of programs that consists of a toolkit for developing speech-enabled applications and a runtime for execution and operation of those applications. The developer's toolkit provides the necessary tools for application programmers to speech-enable their existing products or develop new applications which exploit speech recognition. Using the speech recognition Application Programming Interface (API), developers can produce applications that recognize and process a continuous flow of spoken U.S. English words. Using ICSS can help the user to enhance the functionality of many software applications and to develop new software applications that meet the dynamic needs of today's markets.

IBM Graphics Interface Kit/2

IBM Corporation

Lassallestrasse 1
A-1020 Vienna, Austria

IBM Graphics Interface Kit/2

Retail Price: \$2,850

Contact: Herwig Walus

Phone: +43 1 211454145

Fax: +43 1 211454490

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 3/26/93

GIK/2 is an OS/2 development tool for creating a new type of "intelligent" graphical user interface for programs or applications in a very economical way.

GIK/2 is a unique OS/2 PM 32-bit development tool. By its nature, the product belongs to the Graphic User Interface (GUI) tools. But it is important to note that most other GUI products are focused on the generation of windows, pop-up/pull-down menus, push buttons and other user controls. GIK/2 provides the dynamic generation of genuine intelligent graphics for easy manipulation of complex data.

Examples of graphics supported by GIK/2 are: mapping of organizational structures (organization charts, cost structures etc.), communication network schemes, entity/relationship diagrams, seat reservation charts, process assemblies, shop-floor layouts, work-flow diagrams etc.

Intelligence means that the end-user is enabled to interact with the graphic objects presented to her/him: the objects on the screen can be created, deleted, moved, changed, object attributes (data related to the objects) can be queried and changed, and finally events can be triggered just by clicking with the mouse on objects or object parts.

MKS LEX & YACC

Mortice Kern Systems (MKS)

35 King Street North
Waterloo, Ontario, Canada N2J 2W9

MKS LEX & YACC

Retail Price: \$299 USA

Contact: Erin Hintz, Coordinator, Packaged Products

Phone: (800) 265-2797, (519) 884-2251

Fax: (519) 884-8861

Int'l Contact: Peggy Fraser

Int'l Phone:

Int'l Fax:

Available: 7/93

MKS LEX & YACC is used in the development of software that analyzes and interprets input, such as an embedded command language in a configurable text editor.

LEX builds a lexical analyzer, which takes a stream of input and breaks it up into tokens according to user-specified rules. YACC builds a parser, which takes a stream of tokens (such as provided by MKS LEX) and matches them against a grammar. When a portion of the grammar is matched, source code embedded in the YACC grammar file is executed, giving action to the parsed commands.

MKS LEX & YACC adds polish to programs by producing fast, compact, highly portable source code.

For the OS/2 environment, MKS LEX & YACC has updated support for Borland, Microsoft, WATCOM, Zortech, and IBM (C Set/2) compilers.

NATURAL

Software AG of North America

11190 Sunrise Valley Drive
Reston, VA 22091

NATURAL

Retail Price: \$1,250

Contact: Tony Cook, Director, Workstation

Phone: (703) 860-5050, (800) 423-2227

Fax: (703) 391-6975

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1/91

NATURAL is the world's leading 4th-generation environment for users and developers. NATURAL has full-function interactive capabilities for designing, developing, testing, managing, deploying, and maintaining applications. Applications are performance-optimized for multi-vendor distributed computing environments.

NATURAL's users benefit from easy-to-use graphical user interfaces, a comprehensive HELP system, interactive development and testing, transparent user access to LAN, mid-range and mainframe resources, and portability of applications, data and communications within diverse distributed environments.

NATURAL programs are source-code compatible across Windows, OS/2, UNIX, DOS/VSE, VM/CMS, MVS, Open VMS, and VS Operating environments.

Opt-Tech Sort

Opt-Tech Data Processing

292 McFaul Way
P.O. Box 678
Zephyr Cove, NV 89448

Opt-Tech Sort

Retail Price: \$149-\$249

Contact: Sales Department

Phone: (702) 588-3737

Fax: (702) 588-7576

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1983

Opt-Tech Sort is a high-performance sort/merge/select utility. It has many features and can be used as a stand-alone utility or called as a subroutine.

If you need to sort or select any quantity of data rapidly, then you need Opt-Tech Sort. It is the high-performance sort/merge/select utility. Opt-Tech Sort can be used as a stand-alone utility or called as a subroutine to your programs.

Files of any size can be processed on multiple key fields. Many file types and data types are supported. Options for selecting a subset of your records, changing record structures, eliminating duplicates, summing, and many other features are included.

For over nine years, programmers and non-programmers have relied on Opt-Tech Sort. It is available for a variety of operating systems including OS/2, MS-DOS, Windows, UNIX, and others.

PDNVDISK

Peter Norberg, Consulting
P.O. Box 9330
St. Louis, MO 63117-0330

PDNVDISK

Retail Price: \$100

Contact: Peter Norberg

Phone: (314) 647-8487

Fax: (314) 647-8528

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

PDNVDISK V3.02/4.0 allows creation of up to 2 gigabytes of RAM-disk virtual disk drive, enabling creation of huge RAM drives for application development, voice mail, and related operations.

The PDNVDISK Version 3.02/4.0 RAM Disk subsystems are designed with the large-system user in mind. If you need a RAM drive larger than the 4 megabytes provided with OS/2 1.3 or 2.0, our RAM disk package is for you. It allows for the creation of multiple RAM drives, each with a theoretical upper size limit of 2 gigabytes. These RAM drives can even seamlessly access memory which is not available to OS/2 (such as the memory above 16 megabytes under OS/2 1.3, or proprietary memory in add-on cards addressed at strange locations). Uses include voice mail, compilers, frequently used read-only files, read-only data bases, fast access copies of database index files, and so on. The package includes a smart installation program, 5 versions of the RAM drivers (depending on your system configuration), diagnostics, and support utilities.

Prosacdm Concurrent Document Manager

Insoft Oy

Kirkkokatu 5 B
SF-90100 Oulu, Finland

Prosacdm Concurrent Document Manager

Retail Price: \$700

Contact: Hannu Lehtikainen

Phone: +358 81 376128

Fax: +358 81 371754

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Prosacdm Concurrent Document Manager implements an automatic life-cycle support for software documentation in Prosa/om OOA/OD and in Prosa SA/SD/RT environments. Prosacdm is a living, hypertext interface between model data bases and desktop publishing systems. Documents can contain both graphic and data dictionary information from OOA/OD and SA/SD/RT model data bases. The changes made in model data bases are automatically reflected in documentation. With Prosacdm, documentation becomes a concurrent activity with software analysis and design. Prosacdm is compatible with Ami Pro, Decwrite, Framemaker, Interleaf, Ms-Word, PageMaker, Ventura, and WordPerfect DTP systems.

In addition to OS/2 version 2.1, Prosacdm is available for Windows 3, VMS/Motif, UNIX/Motif and UNIX/Openlook.

R.A.P.

SCC Marketing AB

Box 4537

191 04 Stockholm, Sweden

R.A.P.

Retail Price: \$9,900

Contact: Torgny Schilström

Phone: +46 8-928860

Fax: +46 8-927898

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

" Complete workstation code generation and testing environment targeting multiple vendor environments

" Hardware, software, database and user interface independency in generated applications

" Object-oriented

" Generates client/server applications

R.A.P. is a development tool that makes the development process more efficient by increasing programmer productivity while, at the same time, eliminating any dependence for specific hardware and/or software platforms.

This is achieved because R.A.P. operates in a workstation environment totally independent from the production (or target platform) environment. This results in significant reductions in development time.

R.A.P. carries out a dialog with the developer in his own language. You don't have to write anything -- just select the data that you want.

R.A.P. generates applications for PC-DOS, OS/2, UNIX, OS/400 and MVS/CICS, including GUI for Windows, Presentation Manager and Motif. R.A.P.-generated applications access sequential files, indexed sequential files, and RDBMS, including Oracle, INGRES, Informix, Sybase, XDB, DB2, Database Manager, SQL/400,

MIMER or any compatible.

R.A.P. generates client/server applications.

No additional run-time or environmental support required.

Retail Workbench/2

IBM Corporation

2917 Highwoods Boulevard
Raleigh, NC 27604

Retail Workbench/2

Retail Price: \$1,295

Contact: Robert Charest

Phone: (919) 301-6202

Fax: (919) 301-6391

Int'l Contact: Local IBM Sales Representative

Int'l Phone:

Int'l Fax:

Available: Aug. 1992

The IBM Retail Workbench/2 is designed to support the development of retail applications for the 4680 Store System. IBM Retail Workbench/2 allows for the integration of four other development tools to create the IBM 4680 Advanced Development Environment. This environment runs on OS/2* Version 2 or later and includes support for the 4680 BASIC and C programming languages.

r-tree(R) Version 1.2e

FairCom

4006 W. Broadway
Columbia, MO 65203

r-tree(R) Version 1.2e

Retail Price: \$295

Contact: Kent Froeschle, Vice President

Phone: (800) 234-8180, (314) 445-6833

Fax: (314) 445-9698

Int'l Contact: Franco Cortinovis

Int'l Phone: +39 35 773 464

Int'l Fax:

Available: Immediate

Complex, multi-line reports. Handles virtually every aspect of report generation. Performs calculations, monitors control breaks/accumulators, page footers/headers, report footers/headers, user programmable. Produces complex, multi-line reports from multiple c-tree Plus data files, both fixed and variable length. r-tree handles virtually every aspect of report generation. Your only programmable requirement is to call the r-tree report function, which reads c-tree Plus data files; performs necessary calculations; monitors control breaks and accumulators; and produces a formatted report. Because of its unique design, r-tree allows you to distribute report scripts in either their original form, or in a special compiled form. Report scripts in text form can be modified by your customers. Report scripts in compiled form cannot be modified by customers. Other features: define any number of virtual fields; sort by any number of criteria; any number of nested control breaks; accumulators automatically track each control break level; complete layout control with conditional page breaks, page headers/footers, report headers/footers, and control header/footers.

Screen Reader/2

IBM Corporation

1000 N.W. 51st Street
Boca Raton, FL 33429

Screen Reader/2

Retail Price: \$600.00

Contact: IBM OS/2 Special Needs Systems

Phone: (800) 426-3388

Fax: (800) 252-9271

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/93

Screen Reader/2 is the first tool that converts screen information to speech to make the OS/2 2.1 Graphical User Interface (GUI) available to persons who are blind or visually impaired.

IBM Screen Reader/2 is a sophisticated, yet easy-to-use tool that enables you to convert screen information to speech. You hear the words on the computer screen, and you're alerted by sound when changes occur, such as the appearance of status and error messages.

Whether you are blind or visually impaired, have a reading dysfunction, simply do not like to read text on a computer screen, or want the information "fast", now you can listen rather than read. This new version of Screen Reader can help you increase your productivity and remain competitive with your peers.

Some of its features include:

- Voice output of all OS/2 screen information, including messages
- Access to OS/2, Windows and DOS applications running under OS/2 2.1
- Ability to recognize and verbalize objects (icons)
- Emulates mouse functions like point-and-click.

SegMentor

MICROQUILL

4900 25th Avenue, N.E. #206
Seattle, WA 98105

SegMentor

Retail Price: \$2,795

Contact: Sales

Phone: (800) 441-7822, (206) 525-8218

Fax: (206) 525-8309 dt.Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Now

SegMentor optimizes the allocation of functions to code pages so that disk swapping is minimized. Increases performance 2-10X in tight memory conditions.

SegMentor traces the function-calling activity of the application to build a database of every function call and how frequently it occurs. This database is then run through simulated annealing algorithms to compute an optimal solution that groups those functions calling each other most often into the same page. Finally, SegMentor automatically integrates the final optimized map back into the executable, without changing the source. The application winds up with dramatically fewer cross-page function calls. SegMentor can accommodate very large (5MB+ exe) and multi-threaded C and C++ applications. Works with most vendors' C/C++ compilers. Many commercial software vendors are users of this product.

Show N Tel

Technically Speaking

171 Main Street
Ashland, MA 01721

Show N Tel

Retail Price: \$2,395

Contact: Evan Gilbert, Director of Sales and Marketing

Phone: (508) 881-1900

Fax: (508) 881-7320

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Technically Speaking, Inc. now offers a revolutionary solution for rapid voice-application development: Show N Tel. With Show N Tel, interactive voice-response applications can be built quickly and easily thanks to its geographical point-and-click interface. Show N Tel has over 200 feature-packed objects, called PowerBlocks. By connecting the PowerBlocks together to form a flow chart, one can have a ready-to-run application, instantly. The flowcharting method also allows the user to visualize the application, thus allowing a greater margin for modification.

Much of Show N Tel's strength results from the power of OS/2. Show N Tel is a heavily multi-threaded application, allowing hundreds of simultaneous users. The OS/2 processes communicate together to run reports, provide a UI, and run the voice-processing engine. Also, many of the Show N Tel threads and processes are disk-intensive, thus involving OS/2's High-Performance File System (HPFS).

TCP/2(TM) Developers Kit

Essex Systems, Inc.

One Central Street
Middleton, MA 01949

TCP/2(TM) Developers Kit

Retail Price: \$750

Contact: Sales Department

Phone: (508) 750-6200

Fax: (508) 750-4699

Int'l Contact: James Benet

Int'l Phone:

Int'l Fax:

Available:

TCP/2 DEVELOPERS KIT, in conjunction with the Microsoft(RM) C version 5.1 or 6.0 compiler, allows the developer to create network application programs for real- or protected-mode operation.

The TCP/2 DEVELOPERS KIT includes header files, libraries for small- and large-model programming, sample-source, and a make utility. Several libraries are contained in the LIB directory. SOCKET.LIB is for small-model, real-mode programs. LSOCKET.LIB is for large model, real-mode programs. SOCKETP.LIB is for small-model, protected-mode programs. LSOCKETP.LIB is for large-model, protected-mode programs. LSOCKMT.LIB is for large-model, protected-mode, multi-threaded programs (use with the C library LLIBCMT.LIB). LSOCKDLL.LIB is for large-model, protected-mode dynamic link libraries (use with the C library LLIBCDLL.LIB). LSDLLOBJ.LIB is used in conjunction with the C library CDLLLOBS.LIB to create customized C run-time dynamic link libraries. The DLL contains an example of such use. SOCKETW.LIB is for small-model Windows 3.0/3.1 programs, in any mode. LSOCKETW.LIB is for large-model Windows programs in any mode. In order to ease the porting of UNIX applications, TCP/2 provides several compatibility functions. These functions are intended only for compatibility; new applications should make use of native operating systems features unless portability to UNIX is desired.

TE Developer's Kit

Sub Systems, Inc.

159 Main Street, #8C
Stoneham, MA 02180

TE Developer's Kit

Retail Price: \$379

Contact: Subhas Bhardwaj

Phone: (800) 447-6819, (617) 438-8901

Fax: (617) 438-0311

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Incorporate text-editing features into your application easily and cost-effectively. Features: multiple files/windows, word-wrap, editing of large files, cut/paste, printing, search/replace, indentation, double spacing, centering, right justification, bitmaps, multiple fonts, and point sizes. Includes complete C source code.

TesSeRact Developers Workshop/Multi-Platform

Innovative Data Concepts, Inc.

122 North York Road
Suite 5
Hatboro, PA 19040

TesSeRact Developers Workshop/Multi-Platform

Retail Price: \$999

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 2 534 7093

Int'l Fax:

Available:

The TesSeRact Developer's Workshop Multi-Platform supports the developmental applications for DOS, Windows, Protected Mode (286 and 386). OS/2 and Presentation Manager - all in one box! Includes source code.

Combines the power of TCXL's CUA-style user interface with an object-oriented front end for interfacing TCXL and C++, an interactive user interface design tool and powerful "drop-in" text editor, and the ability to write applications for the various patterns with one set of source code.

TesSeRact Programmer's Power Pak for OS/2

Innovative Data Concepts, Inc.

122 North York Road
Suite 5
Hatboro, PA 19040

TesSeRact Programmer's Power Pak for OS/2

Retail Price: \$395

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 2 534 7093

Int'l Fax:

Available:

The Power Pak combines the TCXL CUA-style user interface development system with interactive design, high-speed data compression, customized printer output, data-file management, and several utility programs.

The foundation of the Programmer's Power Pak is TCXL, one of the smallest, fastest, and most affordable CUA-style user interface toolkits on the market. TCXL's event-driven architecture is combined with virtual windows, virtual memory, dialog controls, mouse support, and more.

TCXL contains more than 500 multi-purpose functions. Due to the unique nature of TCXL's interface, applications can be ported to multiple hardware/software operating systems with ease.

Tools/2

IBM Corporation

951 N.W. 51st Street
Boca Raton, FL 33429

Tools/2

Retail Price: \$795

Contact: Fred Ballentine Jr.

Phone: (407) 443-6599

Fax: (407) 443-6824

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 6/30/91

Tools/2 is used to produce WYSIWYG panels for distributed application environment applications on OS/2 and AIX platforms. The panels produced can operate with Presentation Manager or Motif capabilities, and can inter-operate between these systems. This allows for application portability across platforms without reprogramming, thus improving productivity and saving customer development expense.

VC 2000

MEI-SHU Computer & Communications Corp.

18504 Office Park Drive
Gaithersburg, MD 20879

VC 2000

Retail Price: Call

Contact:

Phone: (301) 258-8166

Fax: (301) 216-9833

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

VC 2000 V2.1 is a 32-bit Software Through ICON Object application development tool for building high-performance Interactive Voice Response systems under OS/2 2.1. It supports a wide range of databases.

VC 2000 provides fully integrated messaging services such as automated attendant, voice mail, voice response, fax-on-demand, audiotex, and interactive information retrieval. The special features of this product include ICON Based Workframe - an advanced programming tool which adopts the CASE concept to design and generate applications; Voice Command Recorder (VCR) Voice Editor - to provide play, record, copy, cut, and paste for voice-file manipulation; Voice Network Management System - to provide multi-level security, configuration and control; Report Generation - automatically or on-demand to generate statistics and alarm reports; and on-screen help facility. VC 2000 operates in a client/server architecture and runs over a wide array of communication media, including LANs and WANs, and it supports 11 varied databases: IBM DB2, dBase, Sybase, NetWare SQL, Oracle, SQLBase, INGRES, OS/2 Database Manager, XDB, SQLServer, and Paradox. VC 2000 is a gateway to a variety of interactive database and voice responses services, and its powerful functions allow users to create a wide range of applications such as hospitality services, banking systems, product listing and referral services, hospital and medical services, teleregisters, and much more.

Voice Development Package for OS/2

Dialogic Corporation
300 Littleton Road
Parsippany, NJ 07054

Voice Development Package for OS/2

Retail Price: \$1,250

Contact: Sales Department

Phone: (201) 334-8450, (800) 755-4444

Fax: (201) 334-1257

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The Dialogic Voice Development Package for OS/2 provides support for developing voice- and call-processing applications under IBM's OS/2 operating system for Dialogic's PS/2- and PC-compatible voice-processing boards.

The Voice Development Package for OS/2 allows application developers to create voice- and call-processing applications for connection to the telephone network. Using the Dialogic Voice Development Package for OS/2 with Dialogic hardware, an application can perform telephony-related functions such as answering and placing calls, detecting and generating DTMF (touch tone) tones, and intelligently monitoring the status of dialed calls. Each of these operations requires a single function call. The Dialogic-supplied OS/2 function library (DLL) allows application developers to enjoy a wide variety of voice- and call-processing capabilities with minimal programming complexity. Applications can be developed in "C" or any other language which supports linking with "C" libraries. Dialogic offers a full line of voice-processing products including voice store-and-forward, voice recognition, fax and text-to-speech. The products come with a complementary line of telephony interfaces, including analog and T1 services, E1, and ISDN services.

GpfREXX

Gpf Systems, Inc.

30 Falls Road
P.O. Box 414
Moodus, CT 06469-0414

GpfREXX

Retail Price: \$249.00

Contact: Lynn T. Liska, Sales Administrator

Phone: (800) 831-0017, (203) 873-3300

Fax: (203) 873-3302

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 12/93

WYSIWYG visual OS/2 PM programming with REXX. Point-and-click to create CUA '91 applications taking advantage of: multimedia, drag/drop, multitasking, SQL (DB2/2), even advanced communications (APPC, CPI-C, EHLLAPI). No royalties.

GpfREXX combines REXX with a powerful but easy-to-use WYSIWYG visual programming environment to make OS/2 PM programming available to almost everyone. Simply point-and-click to design simple utilities or to complete applications that use the full power of OS/2 and CUA '91. The Gpf Interface Builder handles all of the logic for managing windows, controls, and the data in them; displaying help; managing events (like button clicks, window opening, etc.); and even multitasking. GpfREXX provides simple control of controls, fonts, and object size and placement -- in short, all the nice display attributes that would otherwise require extensive PM knowledge and programming. All logic custom to the application is written in REXX, an easy-to-use and easy-to-learn language that is provided with OS/2. GpfREXX supports standard OS/2 features like drag-and-drop and multitasking as well as the extended features, including: multimedia, SQL (DB2/2 including Remote services), and advanced communications (APPC, CPI-C, EHLLAPI). No royalties.

MAID

LESTEC PTY LTD

P.O. Box 1374

Dee Why, NSW, Australia 2099

MAID

Retail Price: call

Contact: Les Moull

Phone: +61 2-9815925

Fax: +61 2-9815925

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Unleash the power of OS/2 multitasking and OS/2 REXX by designing object-based dialogs as modules, with object variables as controls, using event-driven REXX scripts. Full multi-threaded support provided. The MAID Editor is an easy-to-use WYSIWYG interface for graphically designing your own ready-to-run user interface as re-useable modules. MAID is object-and icon-based, and is fully integrated into the OS/2 Desktop. Easily integrate modules with each other and your existing programs. External C and REXX interface provided, as well as support for database and external communications.

Personal REXX

Quercus Systems

P.O. Box 2157
Saratoga, CA 95070

Personal REXX

Retail Price: \$175

Contact: Charles Daney

Phone: (408) 867-7399

Fax: (408) 867-7489

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: February 1993

Personal REXX is an enhanced but fully compatible implementation of the standard OS/2 REXX procedures language. It offers improved functionality, performance, documentation, and support.

Personal REXX provides uncompromising compatibility with implementations of REXX from IBM for their mission-critical OS/2, VM, MVS, and OS/400 platforms. In particular, it fully supports IBM OS/2 REXX programming interfaces, so all REXX-aware tools and applications for OS/2 continue to work with Personal REXX.

Quercus Systems has over eight years of experience with REXX on desktop platforms. Personal REXX is a 32-bit implementation of the language and is the fastest available. Complete documentation is contained in the package, and free support is available by telephone, BBS, and CompuServe.

Some of the noteworthy functional enhancements included in Personal REXX are:

- " True system-wide global variables
- " Interprocess communication support for named pipes, semaphores, and the REXX external data queue
- " Array operations like copying, sorting, and searching
- " Advanced mathematical functions (trigonometric, logarithmic, exponential)

- “ Text-mode user interface support for windows, menus, and data-entry screens
- “ Date-format conversion, regular-expression file searching, and many other system services.

PRXUTILS - OS/2 2.0 REXX Utilities

Pedagogic Software

5 Timberline Drive
Trophy Club, TX 76262

PRXUTILS - OS/2 2.0 REXX Utilities

Retail Price: \$25 - \$50

Contact: W. David Ashley

Phone: (817) 430-3261

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 93

This package provides additional functionality to OS/2 2.0 REXX through the addition of a large number of external REXX functions. Functions are provided for date manipulations, file I/O, character-screen manipulations, and other miscellaneous functions. Version 2.0 will add functions for named pipes, extended math capabilities, and other useful functions. Source code is available for an additional charge. All code is 32-bit and compiled using IBM's C Set/2.

REXXLAN/2

VTSDatensysteme GmbH

P.O. Box 305583
20317 Hamburg, Germany

REXXLAN/2

Retail Price: \$199 U.S.

Contact:

Phone: +49 40418124

Fax: +49 40453873

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Nov. 93

A library of REXX extensions to allow access to LAN Server APIs.
The development goals were:

- " supplies an API that matches C calls. A programmer who uses the LAN API in his/her C programs will not have any problems using these REXX extensions.
- " the API will not suppress any information.
- " the API will not use any temporary files.
- " the API should implement a mechanism to transport data to/from the API that is similar to the C data structures.

The result is two files, RXLAN20.DLL and RXLAN30.DLL, that implement more than 80 API calls to use in REXX. RXLAN20.DLL is used for LAN Server 2.X Requesters that do not support the LAN Server 3.0 Domain Controller Database (DCDB) API. RXLAN30.DLL adds these DCDB API calls, and can only be used with IBM LAN Requester 3.0 or higher. REXXLAN is excellent for:

- " LAN Server administrators who have a minimum of REXX programming knowledge.
- " Developers of applications who use some of the LAN Server API, and need to test the function of a specific API call. Instead of writing several small C programs, compiling them, and testing their function,

one can write a small REXX batch, then run, modify and return this batch. The turnaround time is much shorter using this method.

- “ Users of a LAN Requester, who want to exploit the full capacity of the Requester, e.g., to write some batches to connect to resources, access other servers, and add new applications to their Application Menu.

REXXLIB(TM)

Quercus Systems

P.O. Box 2157
Saratoga, CA 95070

REXXLIB (TM)

Retail Price: \$50

Contact: Charles Daney

Phone: (408) 867-7399

Fax: (408) 867-7489

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: January '93

REXXLIB is a function library that enhances the OS/2 REXX procedures language. It is an extensive toolkit of essential functions that gives full access to the advanced capabilities of OS/2.

REXXLIB facilitates rapid development and prototyping of applications which use REXX. Many of the functions enhance REXX support for compound variable "arrays." Functions are provided for sorting arrays, finding all "tails" of a compound variable, copying and combining arrays, regular-expression searching, and reading or writing array contents on disk.

Another class of functions adds many important mathematical routines to REXX. This support includes trigonometric, logarithmic, and exponential functions.

A third category of functions provides extensive text-mode screen support for developing windows, menus, and data-entry panels in REXX.

Many additional miscellaneous functions provide a variety of system services, such as date-format conversion, listing of the file extended attributes, file-system services, listing of active system processes, and support for OS/2 interprocess communication features such as semaphores and named pipes.

REXX*Writer

Antek Computing

Ryebrook Studios, Woodcote Side
Epsom, Surrey, United Kingdom KT18 7HD

REXX*Writer

Retail Price: £150 +VAT

Contact: Bob Mewies, Consultant

Phone: +44 372 744446

Fax: +44 372 745597

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

REXX*Writer allows high-quality printed text and graphics to be generated from a REXX program -- great for label-printing, invoice generation, etc.

REXX*Writer is a library of REXX functions making the full power of the OS/2 2.0 graphics interface available to printing for REXX. Text fonts may be selected and scaled; lines and boxes may be drawn. Multi-page documents may be produced to WP quality.

SQL*REXX

Antek Computing

Ryebrook Studios, Woodcote Side
Epsom, Surrey, United Kingdom KT18 7HD

SQL*REXX

Retail Price: £150+VAT

Contact: Bob Mewies, Consultant

Phone: +44 372 744446

Fax: +44 372 745597

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SQL*REXX allows SQL to be issued against an Oracle V6.0 or V7.0 database running locally or remotely.

SQL*REXX is a 32-bit REXX library of functions enabling access to a local or remote Oracle database.

The functions allow a REXX program to log onto the database and to issue any valid SQL statement against it.

Facilities are provided for passing data to and from Oracle, thus providing a fully functional SQL interface for reporting and DBA.

All versions of Oracle are supported, including version 7.

VisPro REXX 1.1 - Bronze Edition

HockWare Inc.

P.O. Box 336
Cary, NC 27511

VisPro REXX 1.1 - Bronze Edition

Retail Price: \$99

Contact: Debra Coffin, Vice President/Marketing

Phone: (919) 380-0616

Fax: (919) 380-0757

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: August 1993

VisPro/REXX 1.1 - Bronze Edition, by HockWare, Inc., is a visual programming environment for creating 32-bit GUI applications. Features drag-and-drop programming. Generates single .EXE file.

VisPro/REXX 1.1 - Bronze Edition, by HockWare, Inc., is an easy-to-use visual programming environment for creating powerful OS/2 GUI applications. Features the power of Presentation Manager, the Workplace Shell, the Common User Access (CUA) '91 user interface, and the SAA REXX language. Offers OS/2 programming features, including value set, spin buttons, and lists. Drag-and-drop programming for hundreds of commands make developing faster and easier. Just drag the controls to the work area to get a list of the choices of what can be done with that control. Make a selection and watch the REXX code instantly appear. Test your applications with the interactive debugger, without leaving your development area. Or change statements while the program is running. Generates a single .EXE file for royalty-free distribution. Supports APPC, EHLLAPI, and DB2/2.

VX"REXX

WATCOM

415 Phillip Street
Waterloo, Ontario, Canada N2L 3X2

VX"REXX

Retail Price: \$199 (list price)

Contact:

Phone: (800) 265-4555, (519) 886-3700

Fax: (519) 747-4971

Int'l Contact: WATCOM Europe

Int'l Phone: +44 506 460112

Int'l Fax:

Available: June 1993

WATCOM VX"REXX is an easy-to-use, powerful, fully integrated environment for creating applications that exploit the graphical user interface capabilities of OS/2 2.x and Presentation Manager.

WATCOM VX"REXX is an easy-to-use visual development environment for creating applications that leverage the capabilities of OS/2 2.x and exploit the Presentation Manager graphical user interface. VX"REXX combines a project management facility, visual designer, and an interactive source-level debugger to deliver a very approachable and highly productive visual development environment. With the visual designer, you can graphically create Presentation Manager interface objects, quickly customize their properties, and easily attach REXX procedures to the objects using powerful drag-and-drop programming techniques. Build, test, and debug your application without leaving the development environment. Then package your application as an EXE file or PM macro for royalty-free redistribution. WATCOM VX"REXX is open and extensible through IBM's object oriented System Object Model (SOM) technology. You can access all standard REXX APIs including DB Manager, because VX"REXX is based on the OS/2 2.x standard system REXX.

Btrvgen++

Classic Software, Inc.

3542 Pheasant Run Circle
Suite 8
Ann Arbor, MI 48108

Btrvgen++

Retail Price: \$229

Contact: Ed Moran, President/CEO

Phone: (313) 677-0732

Fax: (313) 971-3287

Int'l Contact: Jim Rogers

Int'l Phone:

Int'l Fax:

Available: Current

Visually define your Novell Btrieve database tables, columns, keys, and relationships, and then generate a C++ database interface with the push of a button. Schema definition, relationships, and class/code generation via Windows dialogs. All Btrieve data types supported. Integrated Btrieve DDF-file editor. Special bundle available without Btrv++ product.

Gpf 2.0

Gpf Systems, Inc.

30 Falls Road
P.O. Box 414
Moodus, CT 06469-0414

Gpf 2.0

Retail Price: \$495 US

Contact: Lynn T. Liska, Sales Administrator

Phone: (800) 831-0017, (203) 873-3300

Fax: (203) 873-3302

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1 May 92

Gpf is a point-and-click visual programming environment. Complete prototyping, testing, and generation of full OS/2 PM GUI. Source generation, no runtime, no royalties.

WYSIWYG application generation environment for OS/2 PM. Full client window support permits direct manipulation of controls including size, position, font, color, etc., even in child windows. Link built-in and user function, IPF help panels, and help messages at design time without leaving the graphics interface. SQL code generation for ES DataBase Manager to fill list boxes from existing tables. Supports multi-thread designs. Generates well-structured, fully commented, ANSI "C" code as well as all ancillary files.

Prosac++ Automatic C++ Code Generator

Insoft Oy

Kirkkokatu 5 B
SF-90100 Oulu, Finland

Prosac++ Automatic C++ Code Generator

Retail Price: \$4120.00

Contact: Hannu Lehtikainen

Phone: +358 81 376128

Fax: +358 81 371754

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Prosac++ Automatic C++ Code Generator transforms automatically the OOA/OD models designed with the Prosa/om object-oriented analysis and design tool into C++ source code, and transforms the SA/SD/RT models designed with the Prosa structured analysis and design tool into ANSI-standard C source code. The generated C/C++ code is ready to compile, link, and execute. The code is portable, compact, and fast to run. Prosac++ gives life to visual specifications. You can immediately run the automatically generated application. Prosac++ supports automatic generation of all types of applications ranging from client/server and database systems to interactive, windows, and real-time systems.

In addition to OS/2 version 2.1, Prosac++ is available for Windows 3, VMS/Motif, UNIX/Motif, and UNIX/Openlook.

Prosasql Automatic SQL Code Generator

Insoft Oy

Kirkkokatu 5 B
SF-90100 Oulu, Finland

Prosasql Automatic SQL Code Generator

Retail Price: \$1175

Contact: Hannu Lehtikainen

Phone: +358 81 376128

Fax: +358 81 371754

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Prosasql Automatic SQL Code Generator transforms the object models designed in Prosa/om OOA/OOD environment and the entity-relationship models designed in Prosa SA/SD/RT Case environments into SQL code. Prosasql checks the object and entity relationship models for inconsistencies in database definitions, primary and foreign keys, attributes, relationship cardinalities, normalization, and syntax rules of the target DBMS. Prosasql is compatible with ISO/IEC SQL standard and with leading database management systems.

In addition to OS/2 version 2.1, Prosasql is available for Windows 3, VMS/Motif, UNIX/Motif, and UNIX/Openlook.

X2c - The "portable Xbase" Compiler

Desktop Ai

Box 59

Georgetown, CT 06829

X2c - The "portable Xbase" Compiler

Retail Price: \$995

Contact: Sales Department

Phone: (203) 255-3400

Fax: (203) 544-8644

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

X2c is an Xbase compiler that creates executable 32-bit OS/2 programs. It supports dialects of dBASE, Fox, and Clipper. It creates a standard C program compiled and linked with supplied X2c C libraries.

X2c provides a native-mode OS/2 compiler for Xbase program developers. X2c creates 32-bit OS/2 2.0 or 16-bit OS/2 1.3 programs. X2c supports most features of the major Xbase dialects, including user-defined functions, VALID(), @/prompt/menu, arrays, and extended functions. New features of FoxPro, including windows, controls, and production indexes, are provided. X2c allows the Xbase developers full access to all OS/2 APIs. It does this by creating a true and complete C program from the Xbase application. It is the only fully open Xbase development system, as all library functions are available as C source. It produces C code using either standard C data types or special Xbase variable-handling for full compatibility with Xbase variables, arrays, and macros. X2c has been developed over six years of working with Xbase on a wide variety of platforms, including OS/2, UNIX, and VMS.

AMW (Advanced Maintenance Workbench)

Cap debis

Descauer Str 6
80992 Munich, Germany

AMW (Advanced Maintenance Workbench)

Retail Price: Call

Contact: Gerd Brink, Manager

Phone: +49 89 14326690

Fax: +49 89 14326679

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

AMW is a tool for analyzing software applications, both during implementation and after implementation.

AMW makes fast maintenance and re-engineering a reality. Going beyond basic program analysis, it allows an understanding of whole applications. Prodigious amounts of program and application information are analyzed and stored in an application database. AMW's graphical functions generate flow charts of any program. The flow charts together with the application database enable the user to drastically cut the analysis and change-making process. Today AMW supports COBOL, PL/1 and Assembler.

ANSWER:Testpro for OS/2

Sterling Software, Applications Development Division

9340 Owensmouth Avenue
Chatsworth, CA 91313

ANSWER:Testpro for OS/2

Retail Price: Call

Contact: Doug Turner

Phone: (818) 716-1616

Fax: (818) 998-2171

Int'l Contact: Bernard Haddad

Int'l Phone: +33 1 4900 1300 (France)

Int'l Fax: +33 1 4774 5291

Available:

ANSWER:Testpro for OS/2 is a PC-based test tool designed to automate test execution, analysis, and detailed report generation. Its ease of use makes it very simple to operate. Anyone familiar with IBM OS/2 can begin developing scripts just minutes after exercising the tutorial.

ANSWER:Testpro's comprehensive script language provides multiple approaches for maintaining a controlled test environment. Dynamic Wait commands, such as: wait for a window to appear, a screen to change, a field to change, or a DDE message to be sent, can be directly inserted into scripts for synchronization. The Unplanned Focus command can be activated to detect when an application is out of focus and provide optional methods of recovery. In addition to its ability to capture partial- and full-screen images, ANSWER:Testpro for OS/2 offers optional text captures from any standard Presentation Manager control, precision time measurements for performance testing, customization of commands and reports, and debug utilities to assist in developing scripts and validating applications.

ApiTrace

OR/2 Limited

35 Kitto Road
London, England SE14 5TW

ApiTrace

Retail Price: £ 110 (UK pounds)

Contact: Roger Orr

Phone: +44 71 7326550

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

OS/2 has a well-defined Application Programming Interface (API) which is subdivided into a number of function groupings (e.g., MOUSE calls, QUEUE calls, PMWIN calls).

ApiTrace provides a configurable tracing environment for the OS/2 Application Programming Interface (API). Three trace functions are supported for each of the OS/2 APIs:

" trace calls to the API entry, and the parameters used

" trace error returns from the API entry

" count calls to the API entry

ApiTrace is of use during the development and debugging phase of an OS/2 program, providing a simple but powerful method of examining a given program's use of the OS/2 services.

This can be of use for checking the flow of execution of the program, finding problems caused by unexpected OS/2 error return values and in analysing possible performance problems.

ApiTrace can be applied to any OS/2 program, and no source code changes are required, since the product works directly with the linked program.

ApiTrace can be used with native 32-bit programs, OS/2 1.x-style programs, and

also programs using a mix of both code types.

The documented interfaces to base OS/2, PM, REXX, and the SOM are all supported
-- in total, over 1800 API calls.

APMpower Application Performance Analysis System

Programart Corporation

University Place
124 Mount Auburn Street
Cambridge, MA 02138

APMpower Application Performance Analysis System

Retail Price: \$5,000-\$25,000

Contact: Douglas Marden, Product Marketing Manager

Phone: (617) 661-3020

Fax: (617) 498-4010

Int'l Contact: Diem Le, Director - International Operations

Int'l Phone:

Int'l Fax:

Available: Currently

APMpower Application Performance Analysis System is a cooperative OS/2 and MVS-based product that facilitates analysis of MVS application performance data. Operating in cooperation with the STROBE Application Performance Measurement System, APMpower enables users to manage host measurement sessions, to download and catalog application performance data, and to analyze an application's use of hardware and control program resources. APMpower's extensive database system module descriptions, application performance hints, and performance analysis guidance empower users to quickly identify application inefficiencies and opportunities for performance improvement in MVS applications using DB2, CICS, IMS, and other subsystems.

With the new SQL Analysis Feature, APMpower supplies DB2 access-path analysis and SQL coding recommendations for SQL statements that STROBE identifies as resource consumption.

ATF NetWorked

Softbridge, Inc.

125 Cambridge Park Drive
Cambridge, MA 02140

ATF NetWorked

Retail Price: Starting at \$14,800

Contact:

Phone: (800) 955-9190, (617) 576-2257

Fax: (617) 864-7747

Int'l Contact: David Stockey

Int'l Phone: (617) 576-2257, Ext. 418

Int'l Fax:

Available:

ATF NetWorked automates testing of OS/2 and Windows apps. From one point, ATF runs unattended tests on up to 50 machines. Supports full programmatic and recording approaches.

ATF NetWorked is a software system for automated testing of stand-alone or client/server OS/2 and Windows apps. ATF helps decrease development time and costs, and produces higher-quality software. From one central OS/2 workstation, ATF can run simultaneous, unattended tests on up to 50 machines, running under a combination of OS/2 and Windows. ATF automates testing by combining both capture/playback and programmatic testing options. Test cases are written in ATF's Distributed Test Language, a scripting language designed specifically for testing. Test cases may include tapes of users' mouse and keystroke interactions with applications being tested. These fully editable tapes are captured and played back via the ATF recorder. Other ATF features include the ability to fully restore windows states when tests are run, and to simulate multi-user conditions for testing client/server applications. ATF enables testers to perform bitmap, windows text, and window screen comparisons. Used for regression, performance, stress, and integration testing.

ATF WorkStation

Softbridge, Inc.

125 Cambridge Park Drive
Cambridge, MA 02140

ATF WorkStation

Retail Price: \$4,800

Contact:

Phone: (800) 955-9190, (617) 576-2257

Fax: (617) 864-7747

Int'l Contact: David Stockey

Int'l Phone: (617) 576-2257, Ext. 418

Int'l Fax:

Available:

ATF WorkStation automates testing of stand-alone OS/2 apps. ATF supports both full programmatic and recording approaches to regression, stress, and performance testing.

ATF WorkStation is a software system for automated testing of stand-alone OS/2 applications. ATF helps corporate IS groups and software developers decrease development time and costs while producing higher quality software. ATF automates testing by combining both capture/playback and programmatic testing options. Test cases are written in ATF's easy-to-use scripting language designed specifically for testing. Test cases may include tapes of users' mouse and keystroke interactions with applications being tested. These fully editable tapes are captured and played back via the ATF recorder. ATF features include the ability to fully restore windows states when tests are run, letting ATF check for meaningful changes, not random window positions. ATF enables testers to perform bitmap, windows text, and window screen comparisons, letting them determine where and how an application has changed when compared to a baseline case in which the app performed correctly. ATF is used for regression, performance, stress, and integration testing.

Automated Test Facility

Softbridge, Inc.

125 Cambridge Park Drive
Cambridge, MA 02140

Automated Test Facility

Retail Price: Starting at \$14,800

Contact:

Phone: (800) 955-9190, (617) 576-2257

Fax: (617) 864-7747

Int'l Contact: David Stockey

Int'l Phone: (617) 576-2257, Ext. 418

Int'l Fax:

Available:

Softbridge's Automated Test Facility (ATF) tests client/server and stand-alone OS/2 and Windows applications. ATF tests all client/server aspects: GUI, distributed applications, legacy systems. From one central point, ATF can drive simultaneous, unattended tests on up to 50 machines. ATF tests via capture/playback and/or its full programming language. ATF can capture all mouse and keystroke interactions with an application, window size and location, and other environmental attributes. On playback, ATF precisely restores an environment and recreates a user's interaction with an application. ATF can also build test cases programmatically. Windows and menu functions let a program be thoroughly exercised without ever using a recording. ATF features the ability to simulate multi-user conditions for testing client/server applications. ATF lets testers perform bitmap, windows text file, and text screen comparisons. ATF is used for regression, stress, limit, server load and concurrence, performance, and compatibility and integration testing.

AUTOTESTER for OS/2 PM

AutoTester, Inc.

8150 N. Central Expressway
Suite 1300
Dallas, TX 75206

AUTOTESTER for OS/2 PM

Retail Price: \$5,000

Contact: Sales

Phone: (214) 368-1196, (800) 328-1196

Fax: (214) 750-9668

Int'l Contact: Dawn Knox

Int'l Phone: (214) 363-6181, ext. 216

Int'l Fax:

Available:

AutoTester is a powerful testing tool that allows you to create, manipulate, and execute test outlines for any OS/2 PM application. It can be used for all phases of testing.

AutoTester abandons the cumbersome bitmap method of graphical application testing for an object-oriented, event-driven test automation process that accounts for the variable nature of the OS/2 environment.

AutoTester takes advantage of structured testing technology, which goes far beyond capture/playback. Structured testing involves following a methodical, intelligent direction towards the execution of a test case. Tests are performed using the same steps that a normal tester would follow.

The AutoTester Outliner creates test documentation with English-based commands. The commands perform the steps of each test. AutoTester Outlines maintain the test data separate from the test. Test data can be altered without having to change the test itself. A test outline of only a few lines can be used to test hundreds of combinations of test data.

AutoTester is the only GUI-based testing tool that can retrieve text from any window - regardless of font type or size - as normal ASCII text. This text can then be compared or used as input in another section of the test.

AutoTester solves your complex OS/2 Presentation Manager testing problems.

BenchTech for OS/2

Synetik Systems

1702 Edelweiss Drive
Cedar Park, TX 78613

BenchTech for OS/2

Retail Price: \$79.95

Contact: Chris Parsons President

Phone: (800) 598-1718, (512) 918-1372

Fax: (512) 918-1273

Int'l Contact: Richard Clement

Int'l Phone: +44 6183 72418

Int'l Fax:

Available: 7/28/92

BenchTech is a suite of 25 benchmarks and related tools, designed specifically for OS/2 2.0 or 2.1. The program is a 32-bit, PM application, with online help and CUA '91 controls. There is a logging facility to record, print, or copy your results to the clipboard. The benchmarks include CPU, disk, video and application tests, and range from simple CPU-cycles test to multi-threaded systems-level tests. You can build your own test suites by using the macro facility, which uses REXX to automate testing.

BenchTech can be used to compare computers before a purchase, or to optimize performance on systems that you already own. BenchTech for OS/2 requires an IBM compatible system running OS/2 2.0, 2.1 or greater, with 5 megabytes of free disk space and a 3.5" diskette drive (5.25" disk are available upon request).

Error Manager

Soft & GUI, Inc.

2224 East 21st Street
Brooklyn, NY 11229

Error Manager

Retail Price: \$225

Contact: Stephen T. Dacek, Vice President

Phone: (718) 769-8017

Fax: (718) 934-2133

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Error Manager is a toolkit for debugging/testing programs in real user scenarios. Beginners find EM a simple yet powerful tool to find elusive bugs. Experts appreciate the flexible error-handling.

Error Manager works in conjunction with the IBM C Set/2 compiler, the OS/2 2.x Developer's Toolkit, and your OS/2 software. EM eliminates the need to check the return code of every API call, streamlines program structure, and simplifies error processing. It provides applications with a centralized, transparent, event-driven error-handling facility. EM tells you which API failed, where it failed and why.

Using EM is as simple as including 1 header file, linking 1 library and setting 1 environment variable. Errors and programmer messages can be directed to a file, named pipe, PM message queue, or other callback function.

Many development teams choose to distribute EM with beta versions of their products to ensure thorough error detection and logging. QA testers and production managers will be able to monitor software in real user environments, and report needed fixes back to development teams promptly and accurately.

EM comes bundled with PM Viewer, a powerful pointer-validity routine, and a free copy of Command Line, our PM application-launcher. Both site and distribution licenses are available.

Insight

ParaSoft Corporation

2500 E. Foothill Boulevard
Pasadena, CA 91107-3464

Insight

Retail Price: Insight

Contact: Arthur Hickman, Marketing Manager

Phone: (818) 792-9941

Fax: (818) 792-0819

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Insight is a powerful new software development tool. Insight pinpoints memory reference errors precisely by analyzing your source code. Insight also provides a unique data visualization tool that produces visual images of memory and data patterns.

MemMon

Abbotsbury Software Ltd.

West Yard Barn, West Street
Abbotsbury, Dorset, United Kingdom DT3 4JT

MemMon

Retail Price:

Contact: Tim Snape

Phone: +44 305 871543

Fax: +44 305 871688

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Requires: Presentation Manager OS/2 1.X or OS/2 2.X Function: Monitors memory utilisation

A PM graphical application that generates a log of total memory usage against time - this product is useful if you want to see how an application uses memory. MemMon can be used over a network.

Performance Tracer

MICROQUILL

4900 25th Avenue, N.E. #206
Seattle, WA 98105

Performance Tracer

Retail Price: \$495

Contact: Sales

Phone: (800) 441-7822, (206) 525-8218

Fax: (206) 525-8309

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Shipping

Application wide call-tree profiler. Picks up absolutely every call in a single pass. Reports include call-tree history, function times and frequencies, and more. Great for coverage analysis. Data also available in AS II format.

Performance Tracer traces C/C++ EXEs, DLLs, and multi-threaded programs. It is the only profiler available that traces an entire application at once, regardless of size, and captures every call, including those through pointers and callbacks. Reports include: A complete call tree history showing every function, including those called through messages, pointers, or call-backs; every function called by or calling a given function; the execution time of every instance of each function, including minimum, maximum, total and average times; frequencies for each function; all functions not exercised; all function calls that could have occurred but did not. Data also available in ASCII format for custom analysis.

PERISCOPE/32 FOR OS/2

The Periscope Company

1475 Peachtree Street
Suite 100
Atlanta, GA 30309

PERISCOPE/32 FOR OS/2

Retail Price: \$395

Contact: Dan Navarra, Director of Sales and Marketing

Phone: (404) 888-5335, (800) 722-7006

Fax: (404) 888-5520

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Full-screen device-driver debugger for OS/2 version 2.x. Symbolic and source-level debugger for developers of OS/2 2.x Base and PM drivers. Operates at systems (ring 0) level.

Periscope/32 for OS/2 is designed to provide system-level debugging capabilities in an OS/2 2.x environment. This full-screen, symbolic and source-level debugger will significantly increase productivity for developers of OS/2 2.x Base and PM drivers. It will enable you to debug physical, virtual, and PM drivers running under OS/2 2.x. It offers easy access to any memory location in the system, and is compatible with an applications (ring 3) level debugger. The debugger operates at the systems (ring 0) level, with minimal impact on the system being debugged. Since it is a ring 0 debugger, it can be used to debug anything during the OS/2 session, including PM, DOS, or Windows (WIN-OS/2). An NMI (break-out) switch is included for crash recovery. Periscope/32 for OS/2 requires a host system (with an 80386 or higher CPU) and a target system (running OS/2 2.x) connected by a null-modem cable. The impact of the debugger on the target system is minimum. For real-time hardware breakpoints and up to 1CK of real-time hardware trace buffer, add the Periscope Model IV. Significant advantages over other kernel debuggers.

Simulator/Debugger 5.0

2500AD Software, Inc.

109 Brookdale Avenue
P.O. Box 480
Buena Vista, CO 81211

Simulator/Debugger 5.0

Retail Price: Call

Contact: Vicky Boske

Phone: (719) 395-8683, (800) 843-8144

Fax: (719) 395-8206

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The 2500AD High Level Simulator/Debugger allows the user to develop, test and debug programs without an emulator or standalone hardware. It is designed for debugging C-language source code and/or assembly-language source code.

The Simulator/Debugger is full-color and menu-driven. It allows for mouse or keypad input and has stack Overflow and underflow protection, 24 program, 16 register and 16 memory breakpoints. Other features include: undo instructions, simulated interrupts, redirect output, record commands for later use, views and edits ASCII files without leaving the simulator, displays and modifies variables at all levels of structure, full embedded sequential levels are shown, descriptive error messages, breakpoint traps, nested interrupts, and set register features. Will also access read/write of write only traps. User can easily interchange viewing C screen while debugging.

SMARTHEAP

MICROQUILL

4900 25th Avenue, N.E. #206
Seattle, WA 98105

SMARTHEAP

Retail Price: \$395

Contact: Sales

Phone: (800) 441-7822, (206) 525-8218

Fax: (206) 525-8309

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Shipping

Professional memory-management library and debugging toolkit. Extremely fast malloc and operator new, plus other APIs.

SmartHeap(TM) V 2.0 is a linkable malloc (and operator new) for OS/2 2.x. It is faster in physical memory, and scales well to very large heap sizes, even when allocations exceed currently free physical memory. Benchmarks show SmartHeap is 3-ICOX faster than compiler supplied libraries. Plus, SmartHeap does not sacrifice space or incur unnecessary fragmentation in exchange for speed. In addition to malloc, SmartHeap has numerous fixed-size and handle-based allocators, and supports multiple pools to improve locality and further eliminate fragmentation. SmartHeap also includes a debugging mode when it detects double-freeing, memory overwrites, leakage, invalid parameters, wild pointers, and more. SmartHeap is royalty-free. Source code is available.

SNOOP/2

Abbotsbury Software Ltd.

West Yard Barn, West Street
Abbotsbury, Dorset, United Kingdom DT3 4JT

SNOOP/2

Retail Price:

Contact: Tim Snape

Phone: +44 305 871543

Fax: +44 305 871688

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Requires: Any version of OS/2 Function: SNOOP/2 can be used to interact with OS/2's internal structures.

SNOOP/2 allows the technical OS/2 developer to view OS/2's internal structures (device drivers, arena headers, handle table, and many more).

SourceLink v2.0 32-bit

One UP Corporation

1603 L.B.J. Freeway
Suite 200
Dallas, TX 75234

SourceLink v2.0 32-bit

Retail Price: \$299

Contact: Bill Mueller

Phone: (214) 620-1123, (800) 678-0187

Fax: (214) 620-9626

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SourceLink provides a powerful programming toolset combining the functionality of hyperlink source-code access with an integrated editor along with a large collection of productive programming utilities.

SourceLink is designed to give you a feature-rich programming environment with the functionality that you expect and need as a programmer and developer of 'C' and C++ source code. As a full 32-bit application, SourceLink exploits the capabilities and power of the IBM OS/2 2.x development platform. From the integrated Presentation Manager interface, you can hyperlink completely through your source code, learning new code and analyzing code for changes, with links to definitions and references of key source-code elements. SourceLink's fully functional editor allows you to maintain existing code or create new code. SourceLink contains the features you need - open multiple files (any size), split windows, multiple undo/redo, select, cut, paste, search, replace, access files, and much more. Spawn compiles, executables, and even display an OS/2 window from within SourceLink. Hyperlink directly to the source of your compile errors. Create and run your own functional extensions with the REXX macro interface. SourceLink is context-sensitive to the IBM help facility, with access to all of the development help files, and is fully compatible with the IBM WorkFrame/2. SourceLink contains many file utilities, including copy, find, delete, and change file attribute. With over 100 menu items to choose from, supported with complete on-line help, and a 500-page technical manual, SourceLink will save you time and effort in your programming development.

SQA: TeamTest

SQA Software Quality Automation

10 State Street
Woburn, MA 01801

SQA: TeamTest

Retail Price: \$1,495/user

Contact: Keith Haughey/Patrick Nenney, Account Representative

Phone: (800) 228-9922 (617) 932-0110

Fax: (617) 932-3280

Int'l Contact: Roger Hodskins

Int'l Phone:

Int'l Fax:

Available: April '93

SQA TeamTest automates the testing of GUI client/server applications for OS/2 and Windows, using a highly productive and precise record/playback technology.

SQA Robot's record/playback approach offers a highly productive means of creating test procedures. It is so intuitive, even non-programmers can perform testing. While the tester exercises the application under test, SQA Robot's sophisticated recording technology creates a high-precision recording of even the most detailed mouse movements and keystrokes. During the recording session, the tester interactively captures regions or full-window images of Presentation Manager or OS/2 character-style applications. SQA Robot verifies these master images against live images of the application during interactive or unattended playback (i.e., test execution). SQA Analyzer allows for pixel-by-pixel comparison that exceeds the capabilities of the human eye. The automatic test execution log file can be loaded into SQA Manager, a Microsoft(R) Windows-based tool that automates incident/problem tracking. SQA Manager's complete summary reporting and analysis provide test cycle tracking and reporting. SQA Manager won a Computer Language productivity award. SQA Robot is also available under Microsoft Windows.

WinRunner Automated Software Testing System

Mercury Interactive Corporation

98, rue Albert Calmette
78350 Jouy-En-Josas, France

WinRunner Automated Software Testing System

Retail Price: Call Sales Office

Contact: Ricardo Lavie-Peretz

Phone: +33 1 34 657240

Fax: +33 1 34 659536

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 1994

No more testing bottlenecks! There was a time when software quality meant sacrificing release dates: stop programming, start testing, and hope for the best. WinRunner changes all that: it eliminates the slow tedium of test execution, and slashes the effort you need to invest to create and maintain tests. By automating the entire process, WinRunner makes testing a powerful, productive route to superior software quality.

WORKSTATION INTERACTIVE TEST TOOL (WITT)

IBM Corporation

555 Bailey Avenue
San Jose, CA 95161-9023

WORKSTATION INTERACTIVE TEST TOOL (WITT)

Retail Price: \$2,520

Contact:

Phone: (800) IBM-CALL, x S39

Fax: (800) 426-4522, (408) 463-2629

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 1993

WITT V2 runs on OS/2 2.x and supports record and playback of MVS, VM, OS/400, and 32-bit OS/2 PM interactive applications.

WITT V2 provides fast, flexible, cost-effective testing, and allows you to build reliable, reusable test cases. It helps you detect software defects in your applications early in the application development cycle. Regression Test becomes more reliable and consistent with WITT's record and playback ability. New Code Test becomes easier with WITT's edit, compare, and save functions. WITT automates many of the tasks associated with interactive testing, and allows the application developer to:

- " Create a test script as the application is being run. Keystrokes, mouse movements and application responses are re-recorded.
- " Save and compare screens or areas within screens each time a script is played back. Differences are quickly identified.
- " Customize any script recorded with a text editor.
- " Add logic to scripts by adding 2/REXX commands.
- " Play back test cases interactively or in unattended batch mode.

WITT Version 2 runs on OS/2 2.x. It can record and play back 32-bit OS/2 PM (Presentation Manager) applications. WITT can also support record and playback of MVS, VM, OS/400, and VSE applications. An online tutorial is provided with over 15 lessons.

CCC/Manager 2.1 for OS/2(R) 2.1

SofTool Corporation

340 South Kellogg Avenue
Goleta, CA 93117

CCC/Manager 2.1 for OS/2(R) 2.1

Retail Price: \$695

Contact: Linda Fritzche

Phone: (805) 683-5777

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CCC/Manager 2.1 by Softool Corporation in Goleta, CA, is a user-friendly software change and configuration management for OS/2(R) 2.x.

This product supports all life-cycle stages (e.g., development, test, production) without sacrificing control, support for baselining and release processes, change packaging, turnover management, and migration control.

Additional features: stand-alone/LAN capabilities; fully CUA-compliant user interface; object orientation; modeless execution.

ENDEVOR Workstation

Legent Corporation

114 Turnpike Road
Westborough, MA 01581

ENDEVOR Workstation

Retail Price: \$5,400+

Contact: Scott Wilfert, ENDEVOR Technical Project Manager

Phone: (508) 870-1900

Fax: (508) 870-0346

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

ENDEVOR Workstation is an integrated software management system that streamlines and automates the management of software development processes for LAN applications and distributed development efforts.

Whether LAN-based or mainframe connected, the workstation provides a highly effective means of developing software and optimizing resources. However, as workstation development efforts have emerged in the corporate environment, they have inherited many of the development concerns of releasing final software to the end-user community.

ENDEVOR Workstation increases your confidence in the applications software development process by:

- " providing complete version control-functionality
- " eliminating the time spent on manual tasks
- " allowing you to establish software life-cycle procedures that conform to your organization
- " providing a common view of software modules across development groups and platforms
- " providing the framework for software control without constraining your developers.

LEGENT Corporation is dedicated to providing their customers with a completely integrated environment for the management of all application systems. With an open architecture, ENDEVOR Workstation is adaptable to all varieties of software and can be easily integrated with many application development tools.

PVCS Version Manager

INTERSOLV, Inc. 1700 N.W. 167th Place Beaverton, OR 97006

PVCS Version Manager

Retail Price: \$499.00

Contact: Del Ball, Vice President

Phone: (800) 547-7827, (503) 645-1150

Fax: (503) 690-0407

Int'l Contact:

Int'l Phone: +44 72 781 2812

Int'l Fax:

Available: March 1993

INTERSOLV PVCS, the industry standard for software configuration management on the LAN, supports stand-alone, distributed, and team development in heterogeneous environments (DOS, Windows, Windows NT, OS/2, most UNIX platforms). As an integrated solution, PVCS Version Manager (revision, version, promotion, build, and execution management supporting ASCII, binary, graphics, o-o, text), PVCS Configuration Builder (a UNIX-like Make utility for construction of software systems reliably, completely, and accurately at any time), PVCS Reporter (a custom reporting tool accessing project information managed by PVCS), PVCS Production Gateway (a transparent link that synchronizes LAN development versions with mainframe host production versions), and PVCS Developer's Toolkit (an API enabling you to integrate PVCS functionality in your applications) support NFS and major network environments (APPC LU 6.2 for Production Gateway).

SCMS/2 - Software Configuration Management Supervisor

Progressive Software Technologies Inc.

P.O. Box 620339

Littleton, CO 80162

SCMS/2 - Software Configuration Management Supervisor

Retail Price: \$595.00

Contact: Wade A. Deuter

Phone: (303) 932-2051

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 6/1/93

Software Configuration Management System helps you avoid the confusion normally associated with the tracking and controlling of software changes during development and maintenance activities.

Provides configuration status accounting and complete tracking of specification documents, waivers/deviations, engineering-change proposals, trouble reports, source-code change authorizations, as well as individual components and units which are part of a software configuration item. User documentation includes a primer on software Configuration Management.

SourceSafe

One Tree Software

P.O. Box 11639
Raleigh, NC 27604

SourceSafe

Retail Price: Call

Contact: Ken Felder, Vice President of Sales

Phone: (800) 397-2323 (919) 821-2300

Fax: (919) 821-5222

Int'l Contact: Dan Vena

Int'l Phone:

Int'l Fax:

Available: Currently

SourceSafe provides a complete, project-oriented version control solution -- including coordination of multiple developers, tracking of file and project histories, and maintenance of reusable code files.

SourceSafe provides five principal benefits:

1. SourceSafe prevents developers from accidentally overwriting each other's changes.
2. SourceSafe records each change you make to every file. So if you change a file ten times, SourceSafe "stores" all ten versions in less disk space than two would normally take.
3. To the normal functions of version control, SourceSafe adds a developer-specific project management layer: tracking modular code, and maintaining full project histories as well as file histories.
4. Ease of Use. SourceSafe's CUA interface enables all your developers to start using the system immediately--without expensive training, and without taking critical time away from programming.
5. SourceSafe installs in under ten minutes, and requires almost no administration or maintenance. SourceSafe's unique project-oriented architecture makes it the first version control system designed for modular code: that is, one file used by many different programs. And One Tree Software's unparalleled dedication to customer support make SourceSafe a decision you'll never have to

regret.

Team/V For OS/2

DIGITALK, Inc.

5 Hutton Center Drive
Santa Ana, CA 92707

Team/V For OS/2

Retail Price: \$1595

Contact: Sales Department

Phone: (800) 531-2344, (714) 513-3000

Fax: (714) 513-3100

Int'l Contact: Tim Johnson

Int'l Phone:

Int'l Fax:

Available:

Team/V for Smalltalk/V(R) for OS/2 organizes the work of a team of Smalltalk/V developers by providing a programming environment through which large programming teams can structure and coordinate their work.

Team/V is a natural extension of the Smalltalk/V programming environment, giving the structure needed by professional programming teams while continuing Smalltalk/V's tradition of providing a highly productive, non-intrusive environment. Team/V organizes code into modular units, called packages, which are shared among developers, and contains a set of tools for defining, browsing and storing packages.

Packages provide a structure for organizing code by logical function. They can be simple, defining one class, or complex, defining a complete hierarchy of classes or a set of classes that collaborate. Packages can define functionality that crosses class boundaries.

Each definition within a Smalltalk/V image must be uniquely defined by a single package. The team tool automatically detects conflicting definitions. Packages can include descriptive information, such as comments, author name, version number, and class organization information.

Version management and access control to packages is provided by repositories. Team/V uses INTERSOLV's PVCS Version Manager (included) for repository management.

Back In A Flash!

CCT, Inc.

111 Third Avenue South
Minneapolis, MN 55401

Back In A Flash!

Retail Price: \$49.00

Contact: Craig Keefner, Project Manager

Phone: (612) 339-5870

Fax: (612) 339-5965

Int'l Contact: Neil Fullard

Int'l Phone: +44 905 381 011

Int'l Fax: +44 905 381 011

Available: 7/93

Back In A Flash! is a file backup and archival program for OS/2 2.1. HPFS, FAT and extended attributes are fully supported. Back In A Flash! is also certified under LAN Server 3.0. Back In A Flash! supports floppy, hard drive, LAN drives, Bernoulli, Magneto-optical, NFS, shared folders, and SCSI tape devices (i.e., DAT, 8mm, Wangtek). Manual, scheduled, and timed backup modes are provided, as well as a command-line restore for worst case. Back In A Flash! also functions perfectly as a workstation replication or "cloning" tool.

BackMaster

MSR Development

P.O. Box 632070
Nacogdoches, TX 75963

BackMaster

Retail Price: \$79.95

Contact:

Phone: (409) 564-1862

Fax: (409) 560-5868

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: October 1993

BackMaster is a 32-bit PM-based backup utility for OS/2 2.x that supports backup to floppies and QIC-40/80 tape drives. Supports EAs, long file names, and HPFS and FAT file systems.

BackMaster Features

- Presentation Manager Interface
- Total Backup/Restore/Verify
- Partial Backup/Restore/Verify
- Incremental Backup
- Pull-Down and Pop-Menus
- Online Help
- Restore (P.M. and Text-based)
- Always Overwrite Existing files
- Never Overwrite Existing files
- Prompt before Overwriting Existing files
- Error and Message Reporting
- Read Existing QIC-40/80 DOS Tapes
- Display and Log to file
- Unattended (Time/Date) Operation
- Text-based Restore Program for System Crash Recovery
- Generic QIC-40/80 tape drives as second floppy device
- Many other popular high speed adapters

Hardware Supported

- Archive XL

Colorado Jumbo 120/Jumbo 250
Conner 250
Iomega Tape 250
Mountain FileSafe 4000/8000
Summit SE120/SE250
Colorado AB-10 CARD
Archive XL-20A CARD

IBM Personally Safe'n'Sound (PSnS) (Version 2.1)

IBM Corporation

P.O. Box 31, Birmingham Road
Warwick, United Kingdom CV34 5JL

IBM Personally Safe'n'Sound (PSnS) (Version 2.1)

Retail Price: £ 75.00

Contact: Bruce Nash

Phone: +44 926 464797

Fax: +44 926 311345

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: June 1993

Powerful and easy to use, Personally Safe'n'Sound (PSnS) provides automated backup at whatever interval or time you set, without interruption in your work.

This backup package is specifically designed for OS/2, and supports a wide range of devices. Once installed, PSnS takes the worry out of making essential backups and managing your storage space: it offers you a real freedom in your work.

Using 'Rulebooks', you can tailor PSnS to your needs. Rulebooks are special control files telling PSnS which files it should back up, and where. They also allow you to control how you back up different groups of files, e.g., using different compression methods or backing up to different devices.

Rulebooks can be shared across a LAN, allowing the LAN administrator to centrally control the backup strategy for the whole LAN. LAN users only need to know the names of the files they have lost; PSnS automatically manages the backup and restore for them.

With Personally Safe'n'Sound, you will save time, worry, and storage space, and offer safety to your files!

OS/2 BackupWiz

PCX

3525 Del Mar Heights Road, Suite 313
San Diego, CA 92130

OS/2 BackupWiz

Retail Price: \$189

Contact: Peter R. Schulz, President

Phone: (619) 259-9797, (800) 800-4PCX

Fax: (619) 481-6474

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: Aug. 1, 1993

OS/2 2.x SCSI tape-backup program. Fully supports Extended Attributes, long file names, and HPFS. All SCSI adapters with ADD drivers and most tape drives are supported.

OS/2 BackupWiz is the software side of your OS/2 SCSI tape-backup solution. Its many features are summarized below.

Back up:

- " Entire volume or selected files and directories.
- " Include or exclude lower level subdirectories.
- " Changed files and optionally reset changed file status.
- " Files modified before/after/on specific date and time.
- " Automatic verify option.
- " Automatic inclusion/exclusion lists.

Restore:

- " Entire volume or selected files/directories.
- " Include or exclude lower level subdirectories.
- " Existing files may be preserved or overwritten.
- " Changed files may be preserved or overwritten.
- " Restore files to different directory/tree structure.
- " Files modified before/after/on specific date and time
- " Automatic exclusion lists.

General:

- " Character-mode application.
- " Fits on emergency boot floppies.
- " Can restore OS/2 boot volume from tape - no manual reinstall required.

- .. Command line or menu operation.
- .. Automatic delayed startup; can be launched from alarm applet, CRON, or other convenient scheduler.
- .. Tape compatibility between DOS and OS/2 versions of BackupWiz.

PSS Backup Software

Parallel Storage Solutions

116 S. Central Avenue
Elmsford, NY 10523

PSS Backup Software

Retail Price: \$299 per system

Contact: David G. Baratko, VP Sales

Phone: (800) 998-7839

Fax: (914) 347-4646

Int'l Contact: Dan Charny

Int'l Phone: (914) 347-7044

Int'l Fax:

Available:

Enables the user to selectively back up and restore files from all computers.

PSS SDB BACKUP - Enables the user to selectively back up and restore files (including Novell hidden and security files) from all desktops, portable, and network computers, including file services. SDB supports backups from single/multiple drives to single/multiple tapes and will maintain current directory information.

PSS SCRIPT MANAGER - Creates files known as "scripts" which specify the data and files to back up, restore, verify, or compare. The "script" can then be recalled from a list to provide backup operations in under 5 keystrokes. The script can also be run from the operating system command line or from a batch file.

PSS BUSS (BackUp Supervisor Software) - An extremely versatile package which can be used to simply prompt the user when a backup is required, or can be set up by a computer manager to enforce regular backup cycles for individual computers, or for the file server. BUSS also simplifies backup procedures for the user and provides fool-proof backup routines. BUSS ensures the right data is correctly archived to specific volumes for easy retrieval at a later date.

Workplace Shell Backup Utility

New Freedom Data Center

Box 461
New Freedom, PA 17349

Workplace Shell Backup Utility

Retail Price: \$15.00

Contact: Dave Lester, Proprietor

Phone: (717) 235-7315

Fax: (717) 235-0985

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

With the Workplace Shell Backup Utility (WPSbkup,) backup of your OS/2 desktop configuration data is just an icon click away! Should you ever need to use it, the restore process is almost as easy and can have you up and running in less than 10 minutes.

WPSbkup can back up your Workplace Shell environmental customizing data. Executing the backup is as simple as double-clicking an icon! WPSbkup is a well-behaved, 32-bit PM application. It does its considerable I/O on a separate thread so that you can close it, minimize it, or do other tasks while it is running. After it completes execution, look at the Read.Me file that is created in the target directory. This file will tell you exactly what must be done in case you ever need to recover the Workplace Shell.

WPSbkup provides an alternative to the Alt+F1 procedure for recovering your desktop configuration data. WPSbkup will provide backup data for your WPS and create a simple-to-use WPS restore procedure. More than likely, you will never need to use the restore procedure, but if you do, it can save you hours of recovery time. WPSbkup backs up only the data that "personalizes" your implementation of OS2 2.x. WPSbkup has been tested with both US and National-Language releases of OS/2 version 2.

WPSbkup can also be used in large organizations to install a standard WPS user interface for user machines that have identical (or VERY VERY similar) hardware configurations.

ALICE JPEG Image Compression

Telephoto Communications, Inc.

11722-D Sorrento Valley Road
San Diego, CA 92121

ALICE JPEG Image Compression

Retail Price: \$195 - \$1,595

Contact: Leonard G. Roberts

Phone: (619) 452-0903

Fax: (619) 792-0075

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

ALICE JPEG Image Compression software for DOS, Windows, OS/2, AIX (RS6000), and other UNIX systems. Optional hardware accelerators for ISA (PC/AT) and Micro Channel (PS/2) systems.

Telephoto Communications' ALICE JPEG Image Compression products are used to compress and decompress full color or gray-scale continuous tone images. ALICE provides compression ratios of better than 20-to-1, and supports a variety of image archiving, image processing, multimedia, compound document, image transmission and teleconferencing applications.

All ALICE products support software-only operations directly on host systems running under DOS, Windows, OS/2, AIX (RS6000), and other UNIX systems. Images can be compressed and decompressed in seconds with ALICE software products.

For demanding applications requiring extremely high speed compression and decompression, optional hardware accelerator boards are available.

ALICE products provide cross-platform connectivity that satisfies the requirements of stand-alone systems or complex multi-platform networks.

DCF/2 (Disk Compression Facility For OS/2) V.1.1

Proportional Software

1717 Linden Lake Road
Ft. Collins, CO 80524

DCF/2 (Disk Compression Facility For OS/2) V.1.1

Retail Price: \$129.95

Contact: Sandra J. Eidswick, Sales & Marketing

Phone: (800) 666-4672, (303) 484-2665

Fax: (303) 484-2670

Int'l Contact: Sandra J. Eidswick

Int'l Phone: (303) 484-2665

Int'l Fax:

Available: Shipping

DCF/2 is the only "on-the-fly" data compression product that supports all of OS/2 2.x -- including the High-Performance File System! Rather than "work-around" OS/2, the DCF/2 uses the power of OS/2 file systems -- the High-Performance File System in particular. Now even small-disk laptop computers can enjoy the 32-bit multitasking power of OS/2 with room to spare!

Using DCF/2, you create a single (or multiple), HPFS-formatted, virtual disk unit, which looks to OS/2 like a real, physical unit. A virtual disk actually resides on a "host" drive--an existing FAT, HPFS or network drive, a Bernoulli box or even floppy.

There is no need to reformat your existing hardware. And, because a DCF/2 virtual disk unit grows dynamically as you move data onto it rather than pre-allocating a large chunk of space, it can be installed on systems having very little available disk space!

SQUASH for OS/2

Softwise Ltd.

Suite 11, Kingsbury House, Kingsbury Road
Southampton, United Kingdom S02 0JT

SQUASH for OS/2

Retail Price: From \$50.00

Contact: John Noden Systems Director

Phone: +44 703 232666

Fax: +44 703 232310

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

File Compression and Archiving System. The OS/2 version is fast due to 32-bit optimization. The present product ships with versions for OS/2 V1, DOS, and Windows, and can be used to archive and restore over mixed environments.

A S/370 MVS version will soon be available, allowing efficient file transfer between OS/2 and MVS.

Stacker for OS/2 & DOS

STAC

5993 Avenida Encinas
Carlsbad, CA 92008

Stacker for OS/2 & DOS

Retail Price: \$199.00

Contact: Sales

Phone: (619) 431-7474, (800) 522-STAC, ext. C005

Fax: (619) 431-9616

Int'l Contact: Eren Hussein, STAC U.K., Ltd./Elene Thompson, Asia Pacific, Latin America

Int'l Phone: +44 344 302 900/(619) 431-7474

Int'l Fax:

Available: May 28, 1993

Stacker for OS/2 & DOS automatically and transparently doubles the storage capacity of systems running versions 2.0 and later of OS/2.

Add space to your workplace! Introducing Stacker(R) for OS/2 & DOS -- the fastest, easiest, and safest way to double your disk capacity. Using Stac Electronics' patented Stacker LZS(TM) technology, Stacker instantly and transparently compresses your FAT-based hard disk. And you won't even know it's there. You'll just have more room to work and to load your favorite programs. You can choose from Express or Custom setup. And you can access your Stacker drives at any time, whether you start your system from OS/2 or DOS. Now Stacker can support bigger drives than ever before -- doubling a 1 GB drive to 2GB. With Stacker AutoProtect(TM) and AutoRecovery(TM) features, Stacker automatically finds and fixes errors on your hard disk. Stacker Optimizer(TM) quickly defragments your Stacker drive -- for optimum performance. Stacker supports extended attributes, and it is fully compatible with OS/2, Windows, and DOS operating systems and applications. Stacker for OS/2 & DOS supports Boot Manager, Dual Boot and OS/2-only systems. Find out why more than four million people trust their data daily to Stac's proven technology.

The TesSeRact Compression System (TCOMP)

Innovative Data Concepts, Inc.

122 North York Road Suite 5
Hatboro, PA 19040

The TesSeRact Compression System (TCOMP)

Retail Price: \$59

Contact: Rick Rabinowitz, Vice President/Sales

Phone: (215) 443-9705, (800) 926-4551

Fax: (215) 443-9753

Int'l Contact: ComFood/Thomas Grueter

Int'l Phone: +49 2 534 7093

Int'l Fax:

Available:

TCOMP is designed to make advanced data-compression techniques available for inclusion in your applications. TCOMP gives access to five of the most popular compression methods available, all based on the Lempel-Ziv algorithm.

TCOMP provides a list-driven system pack and unpack capability and an executable dispatcher. In addition to the traditional file-to-file compression methods, TCOMP also allows compressing from a file to a buffer, from a buffer to a file (as in a screen save/restore), and from one memory buffer to another. TCOMP enables you to integrate compression and decompression capability directly into your programs, eliminating dependence on third-party support programs. With TCOMP, file combining and splitting uses BuildIt() to join several files into one for more efficient compression, and UnBuild() to take apart a composite file created by BuildIt(). You can put these routines into standalone programs, or combine them with any of the compression and decompression routines. You can choose from four different compression/decompression algorithms. Some emphasize speed, while others feature extreme compaction - pick the one that best fits your needs. Supports DOS, OS/2, and Presentation Manager.

Zipman for OS/2

Software Builders, Inc.

1023 Chateau Lane
Smyrna, GA 30082

Zipman for OS/2

Retail Price: \$39.95 + S.H.

Contact: Stefanie Jerkunica, V.P. Sales & Marketing

Phone: (800) 432-0025, (404) 319-9621

Fax: (404) 319-7754

Int'l Contact: S. Jerkunica

Int'l Phone: (404) 319-9621

Int'l Fax:

Available:

Zipman allows a user to use PKZIP/UNZIP in an OS/2 PM environment. It allows you to point-and-click and drag-and-drop files to be compressed. You can also view files in .ZIP files.

Zipman is a full-featured Windows and OS/2 front interface to PKZIP/UNZIP. It allows you to point-and-click and drag-and-drop files to be compressed. You no longer have to remember the options that PKZIP/UNZIP require. Zipman allows you to view files within .ZIP files, view more than one .ZIP file at a time, and view or execute any file in a .ZIP file without first having to extract it and back up across diskettes.

GammaTech Utilities(TM) for OS/2

SofTouch Systems, Inc.

1300 S. Meridian Avenue, Suite 600
Oklahoma City, OK 73108-1751

GammaTech Utilities(TM) for OS/2

Retail Price: \$149. + s/h single user

Contact: Felix D. Cruz, Manager, Workstation Division

Phone: (405) 947-8080

Fax: (405) 632-6537

Int'l Contact: Don Wardwell

Int'l Phone:

Int'l Fax:

Available: 8/16/93

The GammaTech Utilities provide the ability to perform volume recovery, optimization, and essential maintenance operations easily without extensive technical knowledge.

GammaTech Utilities includes these features: Undelete files, Recover HPFS volumes, Optimize HPFS and FAT volumes, Fix partitions, Mark bad sectors, Virus protection, Back up OS/2 INI files, OS/2 desktop/hard disk boot sectors, edit sectors, Delete files/Wipe free space, Sort FAT directories, Analyze disk volumes, Find files, Alter file time-stamp, Lock files, List Directories, and more!

The utilities support High-Performance File System (HPFS) and File Allocation Table (FAT) formats. Many of the GammaTech Utilities' features operate in both the Presentation Manager (graphic) mode and in command-line (text) mode. The utilities are programmed in 32-bit code to take advantage of multitasking capabilities and virtual memory addressing which creates superior performance with enhanced resource efficiency.

IniMaint

Canny Associates

990 Ironwood Court
Marco Island, FL 33937

IniMaint

Retail Price: \$49.95

Contact: Larry Martin, Vice President

Phone: (813) 642-9126

Fax: (813) 642-1007

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 10/31/93

PM-based INI file maintenance and repair utility program.

IniMaint is a 32-bit PM application that allows the user to view, edit, copy, move, back up, search, compare, size, repair and otherwise maintain any INI file, including the OS2SYS.INI and OS2.INI files.

IniMaint will automatically recognize some common Desktop INI file problems and fix them automatically. It provides the ability to easily and automatically remove the INI file entries that are left when applications are removed from the Desktop or the desktop itself is modified. The ability to form the INI information into groups makes it very easy to copy large blocks of information from one INI file to another or one Desktop to another.

PowerChute for LAN Server OS/2

American Power Conversion

132 Fairgrounds Road
West Kingston, RI 02892

PowerChute for LAN Server OS/2

Retail Price: \$99

Contact:

Phone: (401) 789-5735, (800) 788-2208

Fax: (401) 789-3710

Int'l Contact:

Int'l Phone: +33 1 64 62 59 00

Int'l Fax:

Available: 11/93

PowerChute and PowerChute PLUS

PowerChute PLUS monitors APC uninterruptible power supply (UPS) systems to perform power management and automatic system shutdown in the event of an extended power failure. When used with an APC Back-UPS, PowerChute PLUS offers user notification of impending shutdown, and records power disturbances such as power failure, power return and low battery in the system error log for easy tracking of power problems. Other features include auto restart upon power return, customizable shutdown commands for applications, and UPS battery conservation features.

When used with a Smart-UPS or Matrix, PowerChute PLUS augments the supported Back-UPS capabilities with scheduled UPS battery/self-tests to ensure UPS reliability and to provide notification of when batteries need to be replaced. Smart-UPS capabilities also include more sophisticated power diagnostics and remote UPS management and control. PowerChute PLUS is supported on OS/2 and LAN Server and is IBM-certified to be LAN Server-compatible. The kit includes interface cables and sells for \$99.

SysMaint

Canny Associates

990 Ironwood Court
Marco Island, FL 33937

SysMaint

Retail Price: \$29.95

Contact: Larry Martin, Vice President

Phone: (813) 642-9126

Fax: (813) 642-1007

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Full-featured desktop diagnostic, repair and backup utility, PM-based. Both full-featured and safe versions available.

SysMaint is a 32-bit PM application that provides a full Desktop Diagnostic, Backup and Repair Utility with both a full-featured and a safe version.

It will identify and fix a number of common Desktop problems; provide a quick and easy Desktop backup and restore; allow the user to edit, copy, move, backup, search, compare, size, repair and otherwise maintain any INI file, including the OS2SYS.INI and OS2.INI files; and view, copy, move, split, join, test, compare and otherwise maintain Extended Attributes, including the Desktop Directory structure.

AccuSoft Image Format Library - OS/2

AccuSoft Corporation

160 E. Main Street
P.O. Box 1261
Westborough, MA 01581

AccuSoft Image Format Library - OS/2

Retail Price: \$795

Contact: Scott Warner

Phone: (508) 898-2770, (800) 525-3577

Fax: (508) 898-9662

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: March 1993

AccuSoft Image Format Library provides instant access to all popular image-file formats.

Import, export, convert, display and print TIFF, PCX, GIF, BMP, TARGA, DIB, WMF, WPG, DCX, EPS, PICT and JPEG raster formats. All flavors supported, including all possible encodings of TIFF 6.0, up to 32 bits per pixel. Format compatibility is guaranteed. Optimized for high performance. Dual-level interface provides full control plus easy integration. Image-processing functions including rotate, zoom, color-reduction, scaling, cropping, dithering, inversion, contrast, brightness, etc. No royalties. Same API used for all platforms supported.

FaxRouter/2

IBM Corporation

5605 Six Forks Road
Raleigh, NC 27609

FaxRouter/2

Retail Price: \$1,995

Contact: Mark Darholt, Representative

Phone: (919) 301-5696

Fax: (919) 301-5518

Int'l Contact: Mark Darholt

Int'l Phone: (919) 301-5696

Int'l Fax:

Available: 12/11/92

IBM's FaxRouter/2 is a OS/2 LAN facsimile solution which provides the capability to send, receive, display, archive, and print facsimiles from a user's OS/2 workstation.

- Allows users to send and receive facsimiles to/from an OS/2 LAN workstation.
- Allows users to display facsimiles at an OS/2 LAN workstation, print on any APA printer, and archive on the workstation.
- Ability to route facsimiles to an end-user by entering a routing code via tone telephone (DTMF) or an optical mark recognition (OMR) sheet.
- Notifies users when a facsimile is received.
- Utilizes simultaneous send and receive.
- Maintains a Facsimile Log, containing status (ownership, time sent or received, etc.) of all facsimile activity.
- Queues send operations if the fax cards or telephone lines are busy.
- Provides a phone book of "send-to" information for commonly used numbers (including distribution list support).
- Retries Send operations that fail (such as busy condition).

- Deletes Facsimile Log entries after a number of days defined by the FaxRouter/2 administrator.
- Eliminates the need for additional hardware at each user's workstation.

KIPP Developer's Toolkit

Kofax Image Products

3 Jenner
Irvine, CA 92718

KIPP Developer's Toolkit

Retail Price: \$1,495

Contact:

Phone: (714) 727-1733

Fax: (714) 727-3144

Int'l Contact:

Int'l Phone: +32 2 536 8630

Int'l Fax:

Available:

KIPP 1.22 is a powerful C development environment for imaging applications. KIPP supports high-speed scanning, printing, and image manipulation under OS/2, Windows, DOS, and UNIX.

The KIPP developer's toolkit is set of high-level C libraries designed for rapid prototyping and development of imaging applications. It is designed for use with the Kofax KF-7000 and KF-9000 series of image processor boards for the ISA and Micro Channel buses.

KIPP supports a wide range of basic imaging functions, including:

- " Compression/decompression
- " Printing
- " Scanning
- " Display
- " Image manipulation
- " File storage and retrieval

All of these functions are provided via an API that is consistent across all supported operating systems, easing code portability.

KIPP includes drivers for most popular scanners and printers, including models from IBM, Fujitsu, Hewlett-Packard, TDC, Bell & Howell, and others.

Applications developed with KIPP are completely royalty free and have no distribution restrictions. In addition, all toolkit purchases include six months of free developer support.

Meta/TOOLS

Metafile Information Systems, Inc.

421 First Avenue, S.W.
Rochester, MN 55902

Meta/Tools

Retail Price:

Contact: Nick Sprau, Marketing Director

Phone: (800) 638-2445, (507) 286-9232

Fax: (507) 286-9065

Int'l Contact: Nick Sprau

Int'l Phone: (507) 286-9232

Int'l Fax:

Available:

Meta/TOOLS OS/2 allows developers to easily build image-processing applications. Its current capabilities include functions and custom controls for image viewing and printing.

View/TOOL, the first of the Meta/TOOLS, includes an OS/2 custom control for document image display and printing. It provides: scrolling, zooming, rotation, and page navigation of the image; a rubber rectangle for zooming, printing or copying to the clip-board the selected area; and annotation.

View/TOOL also includes functions in the form of a DLL for image-file management and printing.

View/TOOL is very flexible and configurable to meet the needs of the application developer.

View/TOOL displays images stored in various formats including TIFF.

Other tools will be added to the Meta/TOOLS toolbox in the future to further ease the development of image applications.

Open Shutter

One UP Corporation

1603 L.B.J. Freeway, Suite 200
Dallas, TX 75234

Open Shutter

Retail Price: \$69.95

Contact: Sales Department

Phone: (214) 620-1123, (800) 678-01UP

Fax: (214) 620-9626

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Open Shutter provides screen-capture functionality for the developer who needs to capture OS/2 application images and save these images in various formats...all at an affordable price!

Capturing your desktop images is made simple with Open Shutter, a 32-bit screen capture and conversion utility. This powerful application provides screen-capture capabilities, enabling you to capture your entire desktop, any rectangular region, or an application window region, including pull-down menus and application client regions. Once captured, this versatile utility provides editing of the color palette applied to the image, full-color and gray-scale mapping, and image-orientation modifications. Output of your images is available in several varieties, including copying to the clipboard, sending to an OS/2 2.x-supported printer, or saved to one of many file formats, including OS/2 BMP, OS/2 ICO, OS/2 MET, Windows MET, Windows BMP, Windows CUR, PCX, TIFF, GIF, IMG, Encapsulated Postscript, and Macintosh MacPaint format. Hotkey capability is available for quick-save or print requirements. A viewer utility is also provided which allows the user to view any and all Open Shutter captured images for recapture or modification. Open Shutter offers a cost-conscious solution for your OS/2 screen-capture needs!

PrntScrn(TM) Screen Image Utility

Mitnor Software

28411 E. 55th Street
Broken Arrow, OK 74014-1765

PrntScrn(TM) Screen Image Utility

Retail Price: \$115

Contact: Tim Shreve Sales

Phone: (918) 357-1628

Fax: (918) 357-2869

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

PrntScrn(TM) Screen Image Utility is an economical combination of four important utilities: 1. Screen image print/capture, 2. Clipboard Viewer, 3. Screen Blanker, 4. Date & Time Display.

PrntScrn is the one-step screen image utility for quality printing of OS/2 Workplace Shell screens to local and LAN-attached printers! The default hotkey for initiating the print is the Print-Screen key , but "Hotkey Mapping" lets you choose the key. "Color Mapping" provides the control needed to produce quality black-and-white printed output. In addition, the image doesn't have to go to the printer -- it can be directed to the clipboard in either bitmap or metafile form. The image can also be captured to a file.

The following raster-graphics file formats are supported: PM Metafile, PM Bit Map 1.2, PM Bit Map 2.0, PCX, TIFF, CompuServe GIF, WordPerfect WPG, and Windows Bit Map. The image that is printed or captured can be: the active or selected window, active or selected client area, selected rectangle, or entire screen. "Selected Window" uses PrntScrn's exclusive "Hierarchical Window Selection". This means that you get the window image you selected, not the window image that the product programmer assumed you wanted!

A superior clipboard viewer lets you import, export, view, and print. By importing and exporting, you can convert PM bitmaps to the other supported raster-file formats. Using the viewer allows PrntScrn to be a two-step screen-image utility. This lets you preview the image before it is printed or captured to a file. A previewed image can be captured from the preview area to produce additional mapping, selection, and conversion effects.

ScanFix(TM)

Sequoia Data Corporation

433 Airport Boulevard, Suite 414
Burlingame, CA 94010

ScanFix(TM)

Retail Price: \$495

Contact: William Noren, Dir. Customer Service

Phone: (415) 696-8750

Fax: (415) 696-8755

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 11/91

ScanFix is a software-image processor which removes image problems that prevent OCR accuracy. It is compatible with all scanner and OCR packages. ScanFix applications include Optical Character Recognition (OCR), Forms Processing, Document Imaging and Storage, FAXing, and Image Compression.

ScanFix requires no training or templates. It executes all functions dynamically, and the functions may be adjusted, or turned off. Using these features will result in an increased OCR accuracy of over 50 percent on average.

The functions are: DeSkew most 300dpi images in less than 1 second on a 486/33 (up to 20 percent skew); Registration (positioning) to allow for precise fielding, Horizontal and Vertical Line Removal (with character repair), DeShade & DeSpeck removes dot-type shading and stray specks; Reverse Text Correction (normalizes text); Remove dot leaders; Split out sub images; and more. Optional features: AutoRotate, Intelligent Cropping, and Character Smoothing.

Windows or DOS applications are \$495. Toolkits (easily integratable into OEM applications) are \$795 for Windows or DOS. OS/2 toolkits are \$975, and UNIX will be available shortly. License fees are based on the number of OEM copies sold.

SHOW 1.5

StegSoft

Durlacher Allee 38
76131 Karlsruhe, Germany

SHOW 1.5

Retail Price: US \$20

Contact: Fernando Puente León

Phone: +49 721 693230

Fax: +49 721 693242

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

x. Processed images can be printed or exported to bitmap files.

StegSoft SHOW is an image viewer with image processing capabilities made especially for OS/2 version 2. Many halftone dithering algorithms allow converting color images into monochrome bitmaps. Images can be prepared for being printed or exported to a file. This will let you embed images in almost every document. These are some of SHOW's highlights: Image display and export. Enhanced image printing. OS/2 and Windows bitmap support. Image resizing. Image rotation, flip and inversion. Powerful halftone dithering algorithms (error recovery, Floyd-Steinberg). Color-to-grayscale image conversion. Clipboard support. Fully 32-bit. Multithreaded. Palette-manager support. Accelerator keys providing quick access to commands. Online help for every command. Easy to use. StegSoft SHOW is obligatory for everyone who wants to print or import images from any program under OS/2 or Win-OS/2.

Ultimedia Perfect Image/2

IBM Corporation

1055 Joaquin Road
Mountain View, CA 94043

Ultimedia Perfect Image/2

Retail Price: \$175

Contact: Joy Ogawa, Direct Sales Channel Manager

Phone: (800) 887-7771 ext. 444, (415) 988-0741

Fax: (800) 887-7772, (415) 694-6917

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

An image-capture and enhancement tool that can resize, enhance, copy, paste, crop, or rotate digitized images. These can be dragged and dropped from other sources.

This product lets users who are not graphic artists capture and enhance pictures quickly and easily. This tool is well suited for the business user who needs high-quality image capture, enhancement and conversion tools. It lets the user display different image formats which have been saved in several supported file format types, and convert them to other selected image formats. The user can adjust, balance, and filter colors, or shift the overall color scheme of the image. He/she can blend parts of an image to soften sharp edges and create smoother, less noticeable transitions. The user can build and blend composite images, as well as manipulate irregular shaped images, merge edges, control transparency, flip and rotate, and resize. He/she can also capture still images from video (with Video Capture Adapter); display and modify TIFF FAX objects; add or modify text associated with an image; and print images.

Unite 2.0 Document Imaging System

Cirrus Technology, Inc.

5301 Buckeystown Pike
Frederick, MD 21701

Unite 2.0 Document Imaging System

Retail Price: \$1,000 - \$2,500

Contact: Karen Brawne, Account Manager

Phone: (301) 698-1900

Fax: (301) 698-1909

Int'l Contact: Beth Durkee

Int'l Phone:

Int'l Fax:

Available:

Unite 2.0 is an image- and document-management software system based on the IBM OS/2 2.1 32-bit platform. Unite 2.0 scans, stores and retrieves documents and color photographs that can be viewed, faxed, or printed. Cirrus designed and developed Unite 2.0 to take full advantage of Intel 386- and 486-based personal computers and the OS/2 2.1 32-bit operating system. Unite 2.0 is designed to work with your DB2, SQL/DS, or OS/400 systems, giving you the ability to maintain a central image index on your host database.

Unite 2.0 follows IBM and industry standards for the client/server architecture. It operates as a standalone system, or integrates with network platforms such as: Novell, IBM LAN Server, Microsoft LAN Manager, Banyan Vines, and DEC. Cirrus has worked closely with hardware and software manufacturers to guarantee compatibility with scanners, printers, fax modems, tape drives, optical drives, and jukeboxes.

The Unite 2.0 products offer direct benefits to any size business to reduce document-storage costs, labor costs, document-retrieval times, and improve customer service and productivity. Using the Unite 2.0 imaging system ensures that critical paperwork is not misfiled or lost. Organizations increase productivity through immediate and accurate access to images by multiple users. User-defined fields and indexes, along with the on-line search or query capability of the database, make the system easy to use. Repetitive tasks can be linked to macros or dynamic link libraries to automate procedures through Unite 2.0 pushbuttons. These custom links are used for features such as host emulation, E-mail, edit routines, or off-line database updates.

ViewDirector

TMS, Inc.

110 W. Third Street
Stillwater, OK 74074

ViewDirector

Retail Price: Call

Contact: Marc McClure

Phone: (405) 377-0880, (800) 944-7654

Fax: (405) 377-0452

Int'l Contact: Todd Hagen

Int'l Phone:

Int'l Fax:

Available: First Quarter 1993

ViewDirector is an imaging library for IBM OS/2 2.X developers that provides black-and-white (CCITT) decompression, scaling, and display as a set of 32-bit C function calls.
ile format conversion module.

Features include gray-scale support, redlining, anti-aliasing, dithering, rotating, panning, zooming, mirroring, tilling, image caching, image clipping, a magnifying glass, and more. ViewDirector provides the developer with many function calls that can be used to create simple or complex imaging solutions for new or existing applications..

BATCH MANAGER

M. Bryce & Associates, Inc.

777 Alderman Road
Palm Harbor, FL 34683

BATCH MANAGER

Retail Price: \$150

Contact: Paul Wylie, Technical Director

Phone: (813) 786-4567

Fax: (813) 786-4765

Int'l Contact: Kazuya Matsudaira

Int'l Phone: +81 (0)45 901 0262

Int'l Fax:

Available: June 1992

A utility to submit, monitor and control batch jobs (programs) under OS/2 (either version 1.3, 2.0, or 2.1).

Designed as an SAA/CUA-compliant product, the BATCH MANAGER provides the ability to submit, monitor and control batch jobs. Users can execute jobs either upon request or at a delayed time/date. Jobs can either be scheduled one at a time, or performed recurrently (such as every day, on a specific day of the week, end of month, etc.). A queue mechanism provides the ability to hold, release, and cancel jobs. The main window is programmed around OS/2 Presentation Manager, and is used to submit OS/2 or DOS command files for batch execution and for monitoring job status.

The product is well suited for such tasks as file back-up, updating master files, payroll, or any repetitive tasks.

CEnvi for OS/2

Nombas

P.O. Box 875
Medford, MA 02115

CEnvi for OS/2

Retail Price: \$38.00

Contact: Brent Noorda, Owner

Phone: (617) 391-6595

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/12/93

CEnvi, from Nombas, is a powerful scripting tool for OS/2, Windows, and DOS. CEnvi executes the CMM (C' minus minus) scripting language to enhance batch/REXX files, create new utilities, or modify and personalize existing CEnvi programs written by Nombas or other CEnvi users. Hundreds of sample programs demonstrate Cmm programming for user input, file I/O, PS and WPS calls; automating tasks with keyboard input and clipboard access; command scheduling and prioritizing; session management; and much more. CEnvi provides over 150 internal functions in addition to directly linking with all DLLs and OS/2 kernel functions. At last, every user can access the full services of his or her OS/2.

Chron v4.0

Hilbert Computing

1022 North Cooper Street
Olathe, KS 66061

Chron v4.0

Retail Price: \$99

Contact: Gary Murphy

Phone: (913) 780-5051

Fax: (913) 829-2450

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Chron is a multithreaded 32-bit OS/2 PM application that schedules OS/2, DOS and Windows programs to execute at a specified time with a specified frequency.

Chron is an easy-to-use, non-modal application that supports an unlimited number of scheduled programs or reminder messages. The user interface features a graphical push-button calendar for ease of scheduling. The multithreaded design of Chron ensures crisp response.

Many customers have used Chron to schedule their LAN Server backups and maintenance tasks. Chron is also a useful compliment to OS/2-based database environments. Customers have successfully implemented Chron as part of the operational environment to schedule backups, reorganizations, and run-statistics on their databases.

Chron is also a nice compliment to the OS/2 REXX language. REXX is a superb language in which to develop small maintenance programs. Those maintenance tasks can be scheduled by Chron to create a fully automated production environment.

At the price of \$69, Chron easily pays for itself by automating many of the routine tasks performed by LAN administrators and database analysts. Site and enterprise licensing is available also.

CommandLine

Soft & GUI, Inc.

2224 East 21st Street
Brooklyn, NY 11229

CommandLine

Retail Price: \$39.95

Contact: Stephen T. Dacek, Vice President

Phone: (718) 769-8017

Fax: (718) 934-2133

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CommandLine is a PM application launcher and hotkey command prompt with aliasing, history, file/object management and REXX support. CL can be used as an WPS replacement or add-on utility.

CommandLine is a 32-bit on-demand command prompt, allowing users to execute commands or programs without leaving the active application in search of an icon or open session, thus eliminating the irritating keyboard-mouse-keyboard cycle.

The package can be invoked via a user-defined hot key, remembers previous commands across boot sessions, and can launch DOS and windows applications. It has aliasing, inline file find and filename completion, and an inline REXX expression interpreter extendable through DLLs. CL acts as a fast task-switcher. Any program, command, or object can be assigned to a hotkey, with a variety of options. A hotkey can be set to switch to an existing session or to create a new one. Programs started by a hotkey can be set to restart automatically in the event of termination, abnormal or otherwise. CL can toggle between the two most recently used windows. Perfect for demos!

CL minimizes desktop clutter and simplifies access to WPS objects. Users can open an object by name, without opening nested folders.

It is an ideal WPS replacement in vertical and low-memory environments. Keyboard access to the WPS makes CL perfect for laptops.

DeskMan/2

Development Technologies (DevTech)

308 Springwood Road
Forest Acres, SC 29206-2113

DeskMan/2

Retail Price: \$79.95 (List price)

Contact: Evan Bergman

Phone: (803) 790-9230

Fax: (803) 738-0218

Int'l Contact: DevTech Vendor Locator

Int'l Phone: (215) 635-1173

Int'l Fax:

Available: 5-93

The premier solution to manage and secure the OS/2 user environment. Virtual desktop; GUI and API to backup, secure, and manipulate WPS objects; more. Network-enabled, including CID and LAD/2.

DeskMan/2 is the desktop-management solution for OS/2 2.x, both for personal and corporate users. LAN administrators will appreciate the ability to install, configure, back up, restore, secure, and otherwise manage individual Workplace Shell desktops and objects remotely. Additionally, they can selectively authorize access to individual DeskMan/2 features on a user-by-user basis. Personal users and authorized corporate users can manage the WPS desktop via a simple drag-and-drop interface.

DeskMan/2 includes such powerful object management features as: query non-default object settings; query, assign, or change the object ID; change object styles (can an object be deleted, renamed, moved, copied, printed, shadowed, visible, or even dragged?); assign an icon to a group of objects in a single operation; destroy objects that the Shredder cannot; and much more -- call for current info!

The VUEMan/2 component provides powerful virtual desktop features, including security, window management, screen savers, and more!

DeskMan/2 is fully CID-enabled.

DiskStat

Oberon Software

1405 East Main Street
Mankato, MN 56001

DiskStat

Retail Price: \$25.00

Contact: Brady Flowers, President

Phone: (507) 388-7001

Fax: (507) 388-7568

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Continually updating, disk free-space monitor.

DiskStat provides a continually updated display of certain statistics for a specified disk drive. This information includes:

- " The drive letter and volume label
- " The installed file system for the disk
- " The size of the disk in bytes
- " The number of bytes currently available on the disk
- " The current disk space usage as a percent
- " The current size of the swapper file if the specified disk contains the system swapper file

EXTFS2 File Extension Reporting Utility

DMComputing

508 Natalie Lane

Norristown, PA 19401

EXTFS2 File Extension Reporting Utility

Retail Price:

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone: S

Int'l Fax:

Available: 7/28/92

EXTFS2 reports file, directory, and disk-space information by file extensions.

FS2 OS/2 Utility for File-Size Calculation

DMComputing

508 Natalie Lane
Norristown, PA 19401

FS2 OS/2 Utility for File-Size Calculation

Retail Price:

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 7/28/92

FS2 displays file information, total sizes of a file or group of files, and calculates the total amount of disk space actually allocated for the file(s). Also has option to test if files will fit on another drive. Recognizes HPFS file names.

Event Control Server

Vinzant, Inc.

600 E. 3rd Street
Hobart, IN 46342

Event Control Server

Retail Price: \$1,495.00

Contact: John Vinzant VP

Phone: (800) 355-3443, (219) 942-9544

Fax: (219) 942-1480

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/9/91

The Event Control Server is a job scheduler and batch processor which will execute DOS, OS/2 and Windows programs in a networked environment.

The Event Control Server is a professional tool for managing execution of batch jobs and unattended process on a PL network. ECS provides the framework for controlling related LAN events. If you understand the power of JCL or CA7 on your mainframe or mini, you have the kind of control that is necessary to run distributed data processing functions. ECS brings that power to your PC Network, so you can control it as tightly as you do your mainframe. ECS is not about PC computing, it's about PC-based data processing.

Hocus Focus

Pinnacle Technology Inc.

P.O. Box 128
Kirklin, IN 46050

Hocus Focus

Retail Price: \$39.00

Contact: Charles Dircks, President

Phone: (800) 525-1650, (317) 279-5157

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 3/1/93

A window manager for your Desktop that provides quick, consistent access to windows via a mini icon control window. When you open a window, it gets captured. Just move your mouse pointer over the mini icon, and the text for the object will appear. Once you have made your choice, it is a single click away. No more clutter, and forget about the Task List.

IBM Distributed Console Access Facility V 1.2 (DCAF)

IBM Corporation

1133 Westchester Avenue
White Plains, NY 10604

IBM Distributed Console Access Facility V 1.2 (DCAF)

Retail Price: Volume Discounts

Contact: Bob Mathieson Planner - BDS Software Development

Phone: (800) IBM-CALL, (704) 594-7460

Fax: (704) 594-5440

Int'l Contact: Antonio DeLorenzo

Int'l Phone: +39 6 5966 2649

Int'l Fax:

Available:

Put your PCs on remote control! Use DCAF for remote unattended PS/2 operations, help desk(s), remote education, and running your own OS/2 desktop while away from the office.

The IBM Distributed Console Access Facility is IBM's strategic tool for monitoring and/or controlling the display and keyboard/mouse input of remote PS/2 workstations running OS/2 (R), DOS or DOS-Windows*, including DOS applications running in the Windows Multiple Virtual DOS Machines (MVDM).

DCAF is a powerful tool for network management, enabling quick, expert help to intelligent workstation users who are application- rather than computer-oriented. And DCAF transmits files and dumps to help-desk experts when they're needed to solve the problem, as well as to programmers testing their applications on appropriately configured remote machines. Programmers and help-desk personnel can also use DCAF from their home terminals for those middle-of-the-night crises or bright ideas. The tool is useful for teaching remote employees new applications, or new remote employees current applications. DCAF also allows remote control, including unattended operations, of PCs installed where physical presence is difficult, inconvenient, or costly. All this enhances personnel productivity and eliminates a good deal of travel. DCAF reaches workstations distributed across SNA networks and on SNA-connected IBM Token-Ring LANs. It can also reach target PS/2s through a LAN NetBIOS connection, via DCAF gateway component, or through a switched asynchronous connection. Security is ensured when DCAF is used together with the IBM 4755 Cryptographic Adapter, which allows encryption and decryption for file transfers. For remote console functions, buy DCAF!

INI Conversion Utility

New Freedom Data Center

Box 461
New Freedom, PA 17349

INI Conversion Utility

Retail Price: \$15.00

Contact: Dave Lester Proprietor

Phone: (717) 235-7315

Fax: (717) 235-0985

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

The INI Conversion Utility (IniCnv) is a 32-bit presentation manager program that will read OS/2 1.x-formatted INI program definition data and create OS/2 2.x desktop folders and program references.

The INI Conversion Utility (IniCnv) will read OS/2 1.x-formatted INI program definition data and create OS/2 2.x desktop folders and program references. So don't trash those 1.2 and 1.3 OS2.INI files ... recycle them instead!

Use IniCnv to read all those laboriously entered program paths, parameter strings, and startup directories, and automatically create new 2.x desktop objects.

IniCnv can also read the files created by IniUtil. So if you have used IniUtil to create install files for many users, you can use those same files to install their customized 2.x desktops. Also, IniUtil can still read many of the program installations performed under OS/2 2.x. That means you can use IniUtil to backup many of your version 2.x program definitions (for example, Extended Services 1.0) and then use IniCnv to selectively restore them later.

INSOMNIA

Microwork, Inc.

47 West St. Andrews Lane
Deerfield IL 60015

INSOMNIA

Retail Price: \$1,250 Network

Contact:

Phone: (708) 940-8979

Fax: (708) 940-8979

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Microwork's INSOMNIA is a LAN-based job scheduler for the OS/2 operating system. It is fully compatible with the DOS version of the package. Both versions can share the same schedule data.

The package automates LAN-based unattended batch processing. Provided that there are no changes to the schedule data, the package can run in a fully automated mode for an unlimited number of days without operator intervention. The package also supports an on-demand scheduling mode. This mode allows the operator to interactively schedule jobs to be executed on any specified network workstation at any predefined time. Both modes can be used concurrently on network workstations. The package is a WINDOWCOMPAT character-based application that runs in OS/2 full or windowed session. Application jobs that INSOMNIA schedules for execution should also be developed as OS/2 WINCOMPAT character-based applications. These types of applications are the primary type of OS/2 programs for running in an unattended batch mode. The package supports conditional job scheduling (depending on other job return codes and presence of specified files), calendar, job priority, holiday schedule and much more. (Novell, IBM, and other NetBIOS-compatible networks.) Free demo diskette is provided upon request.

Intercept

DMComputing

508 Natalie Lane
Norristown, PA 19401

Intercept

Retail Price: \$20.00

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 2/28/93

OS/2 2.x utility to intercept and (optionally) "disable" the icon ARRANGE function and/or the Desktop LOCKUP functions when chosen from the menu. Frees you from worrying about accidentally hitting Arrange after you've painstakingly placed your icons. Configuration options include adding a "yes/no" confirmation prompt to ARRANGE and LOCKUP selected from the Desktop menu.

MKS Toolkit for OS/2

Mortice Kern Systems (MKS)

35 King Street North
Waterloo, Ontario, Canada N2J 2W9

MKS Toolkit for OS/2

Retail Price: \$299 USD

Contact: Erin Hintz, Coordinator, Packaged Products

Phone: (800) 265-2797, (519) 884-2251

Fax: (519) 884-8861

Int'l Contact: Peggy Fraser

Int'l Phone:

Int'l Fax:

Available: 9/93

MKS Toolkit delivers more than 130 powerful utilities, including tools for command editing and history, file processing and comparison, and text manipulation and sorting.

All utilities in MKS Toolkit 4.2 for OS/2 are 32-bit. The multitasking capabilities of OS/2 2.0 enable MKS Toolkit to support background tasks. For example, the user can run make in the background while performing another software function in the foreground. Support for real pipes adds to the capacity of the system, making it run faster and perform tasks that could not be performed before.

A new awk compiler creates free-standing OS/2 programs from a working awk program.

MKS Make minimizes file maintenance by allowing users to create a recipe for large or small software projects -- such as software rebuilding, installation, configuration and documentation.

Inconv is a utility which allows the user to convert characters from one code set to another.

This version of MKS Toolkit has a configuration option whereby the user may create an MKS Toolkit group in Presentation Manager featuring individual icons for some utilities. These icons represent a more friendly interface, enabling users to access their favorite utilities quickly and easily.

Norton Commander for OS/2

Symantec Corporation

10201 Torre Avenue
Cupertino, CA 95014

Norton Commander for OS/2

Retail Price: \$149

Contact: US Sales & Customer Service

Phone: (800) 441-7234

Fax: (800) 800-1438

Int'l Contact:

Int'l Phone: (503) 334-6054

Int'l Fax: (503) 334-7400

Available:

The Norton Commander for OS/2 provides the fastest and easiest way for OS/2 users to find, view, and manage both HPFS and FAT files graphically, right from the OS/2 2.0 Workplace Shell.

The Norton Commander for OS/2 integrates OS/2 file-management operations like view, copy, move, delete and change drive into a single window on the OS/2 desktop, and streamlines them so you can easily access them with just a keystroke or mouse click. You can instantly see which files reside in each folder with a side-by-side tree and file-list display. Or display the contents of two folders simultaneously to compare and highlight the differences. You can quickly search your entire system to locate files or folders based on file name or extension -- even use OS.2 long file names or wildcard characters in your search. Customizable application menus let you put frequently used applications just a keystroke or mouse click away -- without contributing to desktop clutter! Even create read-only menus for networked users and centrally administer them. The Norton Commander for OS/2 is an indispensable utility for all OS/2 users!

PC-HASH OS/2 & DOS CRC Display Programs

DMComputing

508 Natalie Lane
Norristown, PA 19401

PC-HASH OS/2 & DOS CRC Display Programs

Retail Price: \$10.00 each

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 7/25/92

OS/2 2.0 and DOS programs to display 16-bit and 32-bit CRC (Cyclic Redundancy Check) values for any type of file (text or binary, FAT, or HPFS). Easily incorporated into BAT or CMD files. Output can be redirected. Useful for version control, and for verifying files have not been altered, corrupted, or infected by viruses.

PERFORMANCE 2.1

Clear & Simple, Inc.

P.O. Box 130

W. Simsbury, CT 06092

Performance 2.1

Retail Price: \$29.95

Contact: Tony Pereira

Phone: (203) 658-1204

Fax: (203) 651-0354

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: May 1993

A Tuning Kit for OS/2 2.1.

PERFORMANCE 2.1 is both an instructional booklet and a collection of software objects to help you achieve top performance for your system.

THE BOOK - 100 pages - the best source for OS/2 tuning information. Contains a clear description of what a 32-bit, pre-emptive multitasking, multithreading, demand-paging, virtual memory operating system is all about! Also contains details of the tips, techniques, parameters, and commands that help you tune your system. We get into the details of HPFS, FAT, Caching, Buffering, Thrashing, Swapping, Fragmentation, Multithreading, Task Switching, and more.

THE DISKETTE: Our diskette holds almost 30 objects written in the easy-to-learn and easy-to-modify REXX language. These objects are designed to help you tune your system with simplicity. (source included)

OPTIMIZERS will assess your system and make recommendations. With your concurrence, the optimizer performs a tune-up for you.

TOOLS will help you tune individual parts of your system. Some tools provide information; others perform a specific task. For example, the seeSWAP tool gives you the current size of your swapper file. The setSWAP lets you easily change the settings for swapper.

ELIMINATORS are specific tools to relieve hard-disk space. We have identified all of the files associated with each selective install option, and provide an

object to selectively delete each option.

PERFORMERS include utilities that measure and report on tuning progress, create an OS/2 boot diskette; backup your Workplace Shell desktop, and reset icon associations. Bonus! 3000+ OS/2 format icons.

Syscols PM System Color Configuration

DMComputing

508 Natalie Lane
Norristown, PA 19401

Syscols PM System Color Configuration

Retail Price: \$15.00

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 7/18/92

Utility to configure system colors. Allows changing the color of each individual OS/2 item. Sample "color templates" included; color templates can be modified, created, or saved to OS/2's INI file. Allows setting colors from command line.

ToolMaster

Computer Interface Corporation

5 Whittier Road
Natick, MA 01760

ToolMaster

Retail Price: \$99.00

Contact: Derek Sawyer, Sales Manager

Phone: (508) 651-8111, (800) 992-3428

Fax: (508) 651-8112

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/1/93

ToolMaster is loaded with useful features for OS/2 users of all proficiency levels. Excels in network and standalone use. Includes full-screen and command-prompt interfaces.

ToolMaster is a premier utility package for OS/2 that's both powerful and easy to use. We'd love to tell you all the useful things ToolMaster can do, but we couldn't find enough room on the page. We only hope the following sample will suffice.

Using command-prompt and full-screen interface options, you get supercharged OS/2 power to copy/compare files, delete files (and directories), dump file contents (binary or ASCII), print groups of files, perform easy OS/2 shutdowns, store and execute OS/2 and ToolMaster commands, perform timed backups, compress files, search and replace text, start programs, perform network logon, process logon instructions and drive assignments, send electronic mail and messages, view network bulletin board and run/record macros (to name a few).

With the power of ToolMaster, a novice becomes a power user, and a power user becomes a SUPER-power user. ToolMaster is an OS/2 tool whose time has come.

UNITNB Unit Conversion

DMComputing

508 Natalie Lane
Norristown, PA 19401

UNITNB Unit Conversion

Retail Price: Freeware

Contact: Donna Campanella

Phone: (610) 278-0863

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 2/27/93

Provides conversions for units of measure using OS/2 2.0's notebook metaphor. Performs conversions for the following unit types: Angles, Area, Coefficient of Heat Transfer, Density, Electric Charge, Energy/Heat/Work, Force, Heat Flux, Length, Light, Magnetic Induction, Mass, Power, Pressure, Speed, Temperature, Thermal Conductivity, Time, Viscosity, Volume. Compiled for 32-bit OS/2 2.x.

WPS ShutDown!

Creative Systems Programming Corp.

P.O. Box 961
Mt. Laurel, NJ 08054

WPS ShutDown!

Retail Price: \$5.00

Contact: Donna Finkelstein

Phone: (609) 234-1500

Fax: (609) 234-1920

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

WPS ShutDown! is a specialized OS/2 Presentation Manager that makes it easy to properly shut down your OS/2 system. Instead of needing to use several convoluted mouse clicks, one simple click on the WPS ShutDown! object will properly close your entire system.

The 32-bit WPS ShutDown! utility provides a simple solution to shutting down your OS/2 2.x system. It's no longer necessary to remember which mouse button to click. Just click on the WPS ShutDown! icon. With just one mouse click, the entire system is shut down. Users without a mouse will find WPS ShutDown! even more useful. Instead of a complicated series of keystrokes, simply select the WPS ShutDown! icon and press Enter.

WPS ShutDown! is available as shareware, and can be downloaded from the OS/2 Vendor's Forum (GO CIS:OS2AVEN) on the CompuServe Information Service. The name of the file is SHUTDN.ZIP. It can be found in Library 2, Golden CommPass. There is a \$5 shareware registration fee for WPS ShutDown!

WPS ShutDown! takes full advantage of many OS2 2.x features, including the 32-bit flat-memory model and the Workplace Shell.

BocaSoft SystemSounds

BocaSoft Inc.

117 N.W. 43rd Street
Boca Raton, FL 33431

BocaSoft SystemSounds

Retail Price: \$59.00

Contact: Bill Stewart, Director, Marketing

Phone: (407) 392-7743

Fax: (407) 368-7799

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/1/93

BocaSoft SystemSounds(TM) gives your computer a voice by associating audio with system events and keystrokes. We include over one megabyte of sound effects, including a full range of popular effects, plus keystroke recordings for every key on the keyboard. You can even record your own sounds. All you need is an audio card supported by MMPM/2, OS/2 2.x version, a 3.5" floppy disk drive, and 1.5 MB of disk space.

SystemSounds is easy and fun to use. Simply install, and a SystemSounds icon appears on your desktop. Open the program, and a user interface screen becomes your guide, letting you preview and select available sounds at the touch of a button, record your own sounds, or even consult on-line help.

SystemSounds features:

- Over 50 audio effects
- Over 40 system events
- Pre-recorded keyboard descriptions
- Audio file information and browser
- Individual enable/disable control
- Developer kit for audio server capability
- Integrated volume control
- On-line help

CONDUIT

Client Server Networking, Inc.

P.O. Box 370111

West Hartford, CT 06137-0111

CONDUIT

Retail Price: \$299

Contact: Robert Labenski CEO

Phone: (203) 233-2951

Fax: Call to fax

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CONDUIT is a no-nonsense LAN file distribution system that facilitates administration, distribution, and inventory management for OS/2 2.0 and DOS administrators and clients.

CONDUIT, reviewed as "elegant in its simplicity", is the easiest-to-use, state-of-the-art LAN file distribution system on the market today.

CONDUIT takes advantage of the OS/2 2.0 platform to automate tedious and time-consuming desktop management. Without a mainframe or mini, CONDUIT can do installation, upgrades, version control, and license supervision on any number of networked client personal computers. It operates with IBM, Novell, Banyan, Lantastic, and Microsoft products using a unique network-independent design.

CONDUIT defines and controls distribution. It also provides built-in security safeguards with identification and passwords; creates directories; remotely executes programs; develops client profiles; and maintains inventory data. Collected profile data will allow you to reconstruct CONFIG.SYS, AUTOEXEC.BAT or STARTUP.CMD files that have become corrupted. Virus scanning can be easily done daily to eliminate any anxiety about mission-critical data loss. Distribution tracking allows consolidated or separate logs. The log tracks accesses, distribution status, and error conditions such as missing files, ID, Password, or space.

CONDUIT's features are available today for only \$299 per server regardless of the number of clients, with no "pak" or limit restrictions.

Data Junction

Tools & Techniques, Inc.

2201 Northland Drive

Austin, TX 78756

Data Junction

Retail Price: \$99-\$499

Contact: Michael Hoskins

Phone: (800) 580-4411, (512) 459-1308

Fax: (512) 459-1309

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 9/93

Data Junction is a data-conversion tool to translate data to or from almost any structured file format. Filter capabilities exist to modify characters, fields, and records into the exact format required. Specifications can be selected interactively or batch.

Data Junction can import and export data to and from Lotus 1-2-3, Works, Symphony, Quattro, dBASE II/III/IV, Foxbase, FoxPro, Clipper, Alpha Four, Approach, AceFile, dBFast, Enable, fixed & fielded & delimited ASCII, mailmerge formats (WordPerfect, Word, Wordstar), Q&A, askSam, GoldMine, DIF, SuperCalc, Excel, Sylk, c-tree, ACT!, Telemagic, SaleMaker, Sales Ally, Magic PC, RXF, IBM DB2 & SQL/DS & VSAM (via "Database Gateway"), Raima Data Manager (db-Vista), Netware/SQL, Great Plains, Platinum, RealWorld, ACCPAC+, Progress, ZIM, Micro Focus Cobol, Microsoft Cobol, SQLBase, Acucobol, Visual Cobol, SQL Server, XDB, Uniplex, and many others.

IControl Plus

Orange Hill Software

P.O. Box 907
Atwood, CA 92601

IControl Plus

Retail Price: \$59.95

Contact: Stan Shanter, President

Phone: (714) 524-5851

Fax: (714) 996-7430

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Now you can easily assign icons of your choice to the programs and files of your favorite applications all at once...in seconds! Includes 450 icons.

Organize your OS/2 Workplace Shell objects visually with Control Plus! Create "icon schemes" for your favorite applications, and apply the icons of your choice all at once...in seconds! The exclusive Automatic Update feature applies icons to new files automatically. And, with the incomparable Orange Hill Icon Library, you'll have all the right icons for your files, documents, programs, and devices. New version provides support for SVGA/XGA plus dozens of handy color and image folder templates and attractive "surface" background bitmaps. Make your OS/2 Desktop a personal statement with IControl Plus!

LinkRight

Rightware Inc.

15505 Villisca Terrace
Rockville, MD 20855

LinkRight

Retail Price: \$70 without cables/\$100 with cables

Contact: Susan Tremble, VP Marketing

Phone: (301) 762-1151

Fax: (301) 762-1185

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/31/93

LinkRight by Rightware Inc. is a parallel-port and serial-port file-transfer utility made especially for OS/2.

The package includes a PM version, an OS/2 command line version, and a DOS version. The OS/2 versions are 32-bit, multi-threaded tasks.

LinkRight gives you the ability to copy files to/from OS/2 and to/from DOS systems, and retain EAs and long filenames on each transfer. This product features compression for faster transfers, uses CRC checking to ensure accurate transfers, and provides full support for long file names and HPFS.

This utility is a full multi-threaded application. You can queue files while files are being sent. Subdirectories, hidden, system files, and newer files can be selectively copied.

LinkRight provides extensive logging of significant events. An Error log is also provided.

LinkRight is compatible with LapLink cables, and can be purchased with cables or as a competitive upgrade without cables.

SCSI Express for OS/2 (SE-OS2X)

Micro Design International

6985 University Boulevard
Winter Park, FL 32792

SCSI Express for OS/2 (SE-OS2X)

Retail Price: \$795

Contact: Jeff Garner, Product Marketing Mgr.

Phone: (800) 228-0891, (407) 677-8333

Fax: (407) 677-8365

Int'l Contact: Christopher Gent

Int'l Phone: +44 454 614182

Int'l Fax:

Available:

SCSI Express provides transparent support for CD-ROM, DAT, Multifunction, Rewritable Optical, WORM, and Jukebox devices. SCSI Express allows multiple devices to attach to a single host adapter, supporting many industry standards including ISA, EISA, and MCA. Using the new optical standard ECMA 167, SCSI Express is the leading solution that enables media and data portability via an internationally accepted file-system format.

SCSI Express Highlights:

- “ ECMA 167 (NSR) Support
- “ Non-Sequential Recording (NSR) Volume Spanning
- “ Unlimited File/Volume Size Capabilities
- “ Media/Data Portability With ECMA 167 Support
- “ Presentation Manager Utilities
- “ Automated Installation Process
- “ Supports Multiple drives via SCSI Connectivity
- “ Audit Trail Flashback With WORM

Son of Shell/Maxi Menu

Client Server Networking, Inc.

P.O. Box 370111

West Hartford, CT 06137-0111

Son of Shell/Maxi Menu

Retail Price: \$35

Contact: Robert Labenski CEO

Phone: (203) 233-2951

Fax: Call to fax

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Son of Shell was designed to assist you in cleaning up the messy desk and clutter that can be inconvenient, confusing, or non-productive.

SOS will remove the need for icons for multiple editors or your favorite application. Wouldn't it be easier and quicker to have a way to start as many copies of the program from a single button without multiple folders or icons? Lost, deleted or misplaced any icons on your desktop? SOS will create or replace that missing icon on your desktop. SOS will let you consolidate six of your favorite applications on a menu, with the ability to start as many as you need from one place.

Maxi Menu (Shareware) -- Maxi Menu will clean up your messy desk and clutter with a "classic" style menu.

Maxi Menu (Shareware) - Do multiple icons prove inconvenient and confusing? Wouldn't it be easier and quicker to have a way to start many copies of the program from a single button without multiple folders or icons? Maxi Menu provides an unlimited list box of your favorite applications. You may add/edit/remove entries to customize this menu system.

SpaceMap 1.0

Capstone Software, Inc.

P.O. Box 416
Carmel, IN 46032

SpaceMap 1.0

Retail Price: \$49.95

Contact: Bob Moss

Phone: (800) 500-2244, (317) 848-2414

Fax: (317) 582-0454

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 11/1/93

SpaceMap for OS/2 is a PM utility program which reports on disk space usage by directory and file. Manipulate directories and files. Solve space shortages.

SpaceMap for OS/2 is a powerful utility program which gives you the power to actually MANAGE space usage on your disk drives. It lets you quickly and easily see exactly how much space is being used by each directory and file. SpaceMap scans your disk drive for space usage, and displays the results in an easy-to-understand graphical format.

When you look at a disk drive, it's a real mystery trying to figure out how much space is used by each directory. Sure, you can use the DIR command to list the files in a directory and get a total at the bottom of the list. You can use the OS/2 Drives object to view a graphical display of the directory tree structure. You can use a file manager program to navigate around your disk. But none of these methods lets you see how much TOTAL space is used by a directory. Not just space used by the directory's files, but ALL the space used by ALL of its descendants. SpaceMap takes the mystery out of this situation by clearly displaying total space usage at any point in a directory tree. Start at the top of the tree. See exactly how much TOTAL space is used for each directory. Then, pick a directory, and delve deeper into the distribution of space among its sub-directories. Keep going until you get to the bottom of this mystery!

APMPower(TM), STROBE(R)

Programart Corporation

University Place
124 Mount Auburn Street
Cambridge, MA 02138

APMPower (TM) , STROBE (R)

Retail Price: Call

Contact:

Phone: (617) 661-3020

Fax: (617) 498-4010

Int'l Contact: Diem Le, Director - International Operations

Int'l Phone:

Int'l Fax:

Available:

Programart Corporation, Cambridge, Massachusetts, develops, markets, and supports application performance management products for the IBM MVS and OS/2 environments.

STROBE(R) Application Performance Measurement System is a strategic tool intended for use as part of a cross-life cycle application performance management strategy. By using STROBE(R), organizations can manage the performance of their applications in all phases of development, production, and maintenance by identifying opportunities for reducing application resource demand.

APMPOWER(TM) is a cooperative processing application for analyzing MVS applications at the OS/2 workstation level. With APMPOWER(TM), performance measurement data collected by STROBE(R) is downloaded from the mainframe to the workstation, where it is displayed in histograms and graphs, allowing the user to detect, diagnose, and resolve performance issues in batch and on-line applications.

APMPOWER(TM) uses an on-line navigation feature that directs the user through the analysis process and offers advice on where to go next. On-line help facilities provide information about system and subsystem modules that are using computing resources, while a database of performance hints helps the user make performance improvement decisions. The user can also customize the on-line help, and add performance hints to the database.

CPU Monitor Plus

BonAmi Software Corporation

60 Thoreau Street
Suite 219
Concord, MA 01742

CPU Monitor Plus

Retail Price: Call for current pricing

Contact: Allen Morris, President

Phone: (508) 371-1997

Fax: (508) 371-2333

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

CPU Monitor Plus is a powerful new collection of performance and analysis tools for your OS/2 1.3 and 2.x environments.

CPU Monitor Plus will graphically display CPU and RAM performance data for all processes and threads running on your system. Stop any unwanted, runaway, or hidden programs. Choose your Presentation Manager applications and dynamically change thread priorities. Suspend and resume individual threads in PM applications on demand. All this in REAL-TIME, while you watch or continue your work.

Use CPU Monitor Plus to analyze your system performance. Determine those programs and individual threads that are utilizing the majority of the computer's resources. See at a glance those programs that are not being serviced frequently enough. Configurable displays analyze in detail the programs that concern you.

Software developers all over the world use CPU Monitor Plus to finely tune their applications before selling them to you. Network administrators use CPU Monitor Plus to determine those machines that are underpowered or overutilized. And there is much more. CPU Monitor Plus is now available for all your OS/2 version 1.3 and 2.x software development tasks. to help you "make your server serve".

IBM System Performance Monitor/2 Version 2.0

IBM Corporation

11400 Burnet Road
Austin, TX 78759

IBM System Performance Monitor/2 Version 2.0

Retail Price: \$495

Contact:

Phone: (800) 3IBM-OS2, (800) IBM-CALL

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

SPM/2 2.0 helps developers, performance analysts, and administrators of small LANs identify and solve performance problems by collecting, recording, graphing and reporting critical OS/2 2.x resources.

- “ Collects CPU, RAM, file, page in/out, cache, disk, printer, and communications-port utilization data. CPU, file, and paging information provided to the process and thread level
- “ Local collection, and/or remote collection from OS/2 LAN Server and Requester workstations
- “ Recording facility stores data to disk for later processing
- “ Graphing facility displays real-time CPU, disk, RAM, and paging activity, or plays back previously recorded data from log files
- “ Memory analyzer provides in-depth memory usage information via a Presentation Manager and Hyperblock interface, and includes tutorial/helps on OS/2 2.x Memory Management
- “ APIs for generating and collecting user-defined performance metrics

OR/SysMon

OR/2 Limited

35 Kitto Road
London, England SE14 5TW

OR/SysMon

Retail Price: £ 100 (UK pounds)

Contact: Roger Orr

Phone: +44 71 7326550

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

OR/SysMon contain tools to help OS/2 developers monitor the system.

Features include:

- “ Analyze CPU usage by process and thread within process
- “ Kill OS/2 programs by name or process ID, and DOS or WIN-OS/2 programs by process ID
- “ Display and monitor OS/2 queues, semaphores and shared memory
- “ 32-bit and 16-bit programmer's interface - provides access by name to processes, modules, queues, semaphores and shared memory
- “ Source for sample program which uses the API to display information about processes, modules, etc. whose name matches a search pattern

WATCHIT

Client Server Networking, Inc.

P.O. Box 370111

West Hartford, CT 06137-0111

,br

WATCHIT

Retail Price: \$299

Contact: Robert Labenski CEO

Phone: (203) 233-2951

Fax: Call to fax

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Tune up your IBM LAN Server. "Make your server serve". Automatically track and analyze resource and user activity. Quickly and easily improve performance, and anticipate capacity problems.

WATCHIT automates collection of the IBM LAN Server 3.0 capacity and performance data. Set thresholds to generate warning messages during data collection, and get notification at the time of the problem. Thresholds are also used to highlight problem areas during the analysis activity for easy identification. Now you can quickly and easily improve performance and anticipate capacity problems. Monitoring can be done for any length of time -- hourly, daily, or weekly -- and, when scheduled with the AT command, you have total automation. WATCHIT lets you analyze mean-response times, bytes transferred, print jobs, big-buffer and request-buffer allocations, as well as users logged on and resources shared. All highs are flagged by the thresholds for immediate identification before real problems occur. Uncomplicated charts and graphs will help you make intelligent decisions to improve LAN performance. The on-line manual includes operations and suggestions

BocaSoft WipeOut

BocaSoft Inc.

117 N.W. 43rd Street
Boca Raton, FL 33431

BocaSoft WipeOut

Retail Price: \$59.00

Contact: Bill Stewart, Director, Marketing

Phone: (407) 392-7743

Fax: (407) 368-7799

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 8/1/93

BocaSoft WipeOut(TM) is a 32-bit screen saver for OS/2 Version 2, featuring 16 animated displays integrated with synchronized digital audio, password protection, and on-line help.

All you need is OS/2 Version 2.x, a 3.5" floppy disk drive, and 2 MB of disk space. Digital audio requires MMPM/2 (included with OS/2 2.1) and an audio card supported by MMPM/2.

WipeOut is easy and fun to use. Simply install, and a WipeOut icon appears on your desktop. Open the program, and a user-interface screen becomes your guide, letting you preview and select available screens at the touch of a button, set up your own password code, engage audio or even consult on-line help.

WipeOut Features:

- Screen-saving displays
- Screen-locking security
- Customized message display
- Developer kit for creating your own screens
- Quick-key and mouse positions enable or disable
- Multi-media sound support
- Screen-capture utility
- Automatic random-screen player
- On-line help

Desktop Observatory

Pinnacle Technology Inc.

P.O. Box 128
Kirklin, IN 46050

Desktop Observatory

Retail Price: \$149.00

Contact: Charles Dircks, President

Phone: (800) 525-1650, (317) 279-5157

Fax:

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available: 6/1/93

- " Event-driven password protection with internal or new GSS DCE APIs.
- " Configure any Desktop on the fly without leaving your office.
- " Standardize your LAN, regardless of machine type or network OS.
- " Have your Desktop and security be there when you log on any workstation.
- " Prevent object access, deletion, duplication, movement, sorting, arrangements, or simply hide them from view.

Event-driven activities let you launch programs, start a selective backup, or execute prompt commands whenever an object opens or closes.

GammaTech File Secure(TM) for OS/2

SofTouch Systems, Inc.

1300 S. Meridian Avenue Suite 600
Oklahoma City, OK 73108-1751

GammaTech File Secure(TM) for OS/2

Retail Price: \$39.95

Contact:

Phone: (405) 947-8080

Fax: (405) 632-6537

Int'l Contact: Don Wardwell

Int'l Phone:

Int'l Fax:

Available: 9/1/93

File Secure provides a high degree of file-level security by encrypting the requested data using the Data Encryption Standard (DES) algorithms implemented using a 48-bit permutation.

Files are encrypted using an encryption key provided by and known only to the operator. Files can only be decrypted by specifying the same exact encryption key.

Options are also provided to obliterate data to prevent subsequent recovery or access by unauthorized individuals. File obliteration meets Department of Defense 5220.22-M Specifications*. Data obliteration is performed under several conditions by the File Security utility.

File Secure obliterates the data by overwriting the entire allocated space of the file, not just the used space. In addition, the OS/2 cache feature is bypassed for these writes to ensure that the data is actually written to the disk on each pass.

This product implements Data Encryption Standard (DES), and is therefore not eligible for export outside of the United States and Canada.

Hardlock

Glenco Engineering Inc.

270 Lexington Drive
Buffalo Grove, IL 60089-6930

Hardlock

Retail Price: Call

Contact: Laura Waas

Phone: (800) 562-2543, (708) 808-0300

Fax: (708) 808-0313

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Hardlock is a hardware-based software-protection device for use on a wide variety of hardware and operating systems. Since it has an algorithm on board, it may be used for copy protection or data security.

The Hardlock family of software-protection devices uses the highest form of protection available today. The protection is centered around a custom chip that uses an on-board algorithm. Since the chip is a custom ASIC, it is protected against non-authorized manufacturers. The on-chip programmable algorithm gives you a variable response device that is more secure than a fixed-response device. Optional memory for serialization, counters, etc. are available. Hardlock is available in an external configuration for parallel ports (PC clones), or serial ports (workstations), or a unique floppy board that may plug into a ISA or MCA bus.

HASP-The Professional Software Protection System

Aladdin Software Security

The Empire State Building
350 Fifth Avenue, Suite 7204
New York, NY 10118

HASP-The Professional Software Protection System

Retail Price: \$US 19.00 and up

Contact: Ms. Valerie Anderson, Sales Manager

Phone: (800) 223-4277, (212) 564-5678

Fax: (212) 564-3377

Int'l Contact: Mr. David Glassman, Sales & Marketing Manager

Int'l Phone: +972 3 537 5795

Int'l Fax: +972 3 537 5796

Available: Currently

HASP is a hardware-based system used to protect software from piracy and illegal use. HASP offers reliable, transparent, and secure protection. Supports all major languages, environments, and operating systems.

Aladdin Knowledge Systems is a world leader in the field of hardware-based software protection. Since 1984, Aladdin's HASP(R) - The Professional Software Protection System has enabled thousands of software producers in more than 50 countries to protect their software from piracy and illegal use. HASP clients include IBM, Phillips, Lattice, Toshiba, NEC, Samsung and Honeywell.

All HASP keys are ASIC-based, and the HASP family offers the widest range of protection solutions currently available: HASP-3 (standard ASIC-based protection), MemoHASP (HASP with an internal memory), NetHASP (for protecting software under LAN environments), MacHASP (software protection for the Macintosh), DataHASP (data-file protection), TimeHASP (HASP with an internal clock) and SerialHASP-M (for the RS-232 port and Japanese-standard PCs).

HASP supports a wide variety of languages and compilers, and works under all major operating systems, including DOS, OS/2 2.x, Windows 3.x, Windows NT, SCO UNIX, SCO Xenix, AIX, Interactive UNIX, Macintosh, Japanese-standard OSs, and LANs.

NET Hardlock

Glenco Engineering Inc.

270 Lexington Drive
Buffalo Grove, IL 60089-6930

NET Hardlock

Retail Price: Call

Contact: Laura Waas

Phone: (800) 562-2543, (708) 808-0300

Fax: (708) 808-0313

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

NET Hardlock is a hardware-based software protection device for use on a wide variety of PC-based LANs. Since it has an algorithm on board, it may be used for copy protection or data security.

NET Hardlock allows you to limit the number of concurrent users of a software application using a single NET Hardlock located at any node on the LAN. The NET Hardlock protection device uses the highest form of protection available today. The protection is centered around a custom chip that uses an on-board algorithm. Since the chip is a custom ASIC, it is protected from non-authorized manufacturers. The on-chip programmable algorithm gives you a variable-response device that is more secure than a fixed-response device. Memory is included for serialization; counters, etc. are available. NET Hardlock is available in a unique floppy board that may plug into a ISA or MCA bus.

PC/DACS for OS/2

Mergent International, Inc.

70 Inwood Road
Rocky Hill, CT 06067

PC/DACS for OS/2

Retail Price: \$189 single copy

Contact: Robert Buchanan, VP Marketing

Phone: (203) 257-4223

Fax: (203) 257-4245

Int'l Contact: Joel Hoffman

Int'l Phone:

Int'l Fax:

Available: 1986

PC/DACS for OS/2: ID and Password Authentication; Password Restrictions; Transparent Boot-Protection Encryption; Session Time-Out; Combined with PC/DACS for DOS to secure both OS/2 and DOS platforms providing Dual-Boot Workstations.

PC/DACS for OS/2: MERGENT International provides workstation security solutions for OS/2, DOS, and Windows-based workstations. PC/DACS for OS/2 provides ID- and password-based protection for the OS/2 2.x platform. Dual-boot workstation protection is assured when PC/DACS for OS/2 is combined with PC/DACS for DOS. PC/DACS for OS/2 offers the kind of infosecurity protection you expect from MERGENT. Session time-out permits users to walk away from a "timed-out" machine while it is processing information, ensuring that only an authorized person can regain machine access. Boot protection prevents anyone from successfully logging on to a secured workstation using a floppy diskette. Hackers attempting to circumvent DACS security are unable to access the machine's hard disk. Encryption, also a component of boot protection, provides additional peace of mind. Several levels of encryption, which renders data unreadable to unauthorized users, are available, offering the option of encrypting the entire hard disk, selected partitions, or the system management segment of the hard disk. PC/DACS is completely transparent to the user, protecting information without impeding performance.

The Secure Workplace for OS/2

Syntegration

13241 Norton Avenue
Chino, CA 91710

The Secure Workplace for OS/2

Retail Price: Call

Contact: Stephen Fox

Phone: (909) 464-9450

Fax: (909) 464-9438

Int'l Contact: Stephen Fox

Int'l Phone: (909) 464-9450

Int'l Fax:

Available: Immediately

The Secure Workplace is a collection of OS/2 Workplace objects and utilities designed to provide a secure, protected desktop environment.

The Secure Workplace is a collection of OS/2 Workplace objects designed to provide a secure desktop environment. These objects protect the OS/2 desktop from unwanted changes or intrusions. Organizations that want to provide their users with a specific desktop setup, and to prevent a user from changing the icons, can use these objects with confidence. The protection scheme puts passwords under the control of the information systems group. The Secure Workplace is ideal for maintaining well-defined OS/2 desktop setups on a large numbers of computers.

The Secure Workplace objects include a Secure Folder, a Secure Program, a Restricted Folder, a Logon Folder, and a Secure Desktop. The product also includes other software utilities, such as a window-list manager, an object-creation processor, and a password generator.

Sentinel Family of Hardware Keys

Rainbow Technologies, Inc.

9292 Jeronimo Road
Irvine, CA 92718

Sentinel Family of Hardware Keys

Retail Price: Call

Contact: Sales

Phone: (714) 454-2100, (800) 852-8569

Fax: (714) 454-8557

Int'l Contact: Dorinda Rowden

Int'l Phone:

Int'l Fax:

Available:

The Sentinel Family of hardware keys protect the software and secure the revenues for over 10,000 software developers worldwide. Sentinel ensures OS/2 developers sell more software.

Rainbow Technologies is the world's largest manufacturer of software-protection devices. Used by over 10,000 software developers worldwide, Rainbow's Sentinel Family of hardware keys protects revenues of software developers by preventing unauthorized distribution and execution of software. Compatible with virtually all PCs and open-systems platforms, Rainbow offers Sentinel protection devices for DOS, Windows, OS/2, Macintosh, LAN, and UNIX applications.

Developers use Sentinel keys to prevent piracy, secure demo packages, control distribution, protect multiple and modular applications, and remotely update and upgrade software. New products include the SentinelSuperPro and NetSentinel. SentinelSuperPro is the industry's first protection device that combines the benefits of multiple algorithms and read/write memory in one key. The NetSentinel is a network license management system and ensures that concurrent usage limit agreements are met. With offices in the United States, United Kingdom, France, and Germany, and distributors worldwide, Rainbow offers just-in-time delivery, and the largest engineering and technical support staff in the industry.

Central Point Anti-Virus for OS/2

Central Point Software, Inc.
15220 N.W. Greenbrier Parkway
Beaverton, OR 97006

Central Point Anti-Virus for OS/2

Retail Price: \$129.00

Contact: Tori Case, Product Marketing Manager

Phone: (503) 690-8088

Fax: (503) 690-2227

Int'l Contact: Bob Critchlow

Int'l Phone: +44 81 848 1414

Int'l Fax:

Available: 10/15/93

Central Point Anti-Virus for OS/2 offers the most advanced and comprehensive virus protection available in a true 32-bit OS/2 application. CPAV for OS/2 takes full advantage of the OS/2 Workplace Shell, and offers complete HPFS support. Its Virus Analyzer and SmartChecks are the most powerful tools you can get, detecting and cleaning unknown viruses. CPAV for OS/2 recognizes more than 2,000 viruses, and offers the most fool-proof cleaning of known viruses available. With an Activity Log to track virus infections, and CentralTalk, a built-in communications protocol for communicating with Central Point Anti-Virus for NetWare, this is the best virus protection OS/2 users can buy.

Dr. Solomon's Anti-Virus Toolkit for OS/2

Ontrack Computer Systems

6321 Bury Drive
Eden Prairie, MN 55346

Dr. Solomon's Anti-Virus Toolkit for OS/2

Retail Price: \$195

Contact: Greg Juare, Account Manager

Phone: (612) 937-1107, (800) 752-1333

Fax: (612) 937-5815

Int'l Contact:

Int'l Phone:

Int'l Fax:

Available:

Dr. Solomon's Anti-Virus Toolkit for OS/2 protects OS/2 systems, standalone or networked, from the viruses which can affect them now -- the existing PC viruses. The Toolkit detects or identifies all known PC viruses and variants.

Dr. Solomon's Anti-Virus Toolkit, developed by England's S&S International and published exclusively in the United States by Ontrack Computer Systems, provides superior virus protection for your OS/2 system. The Toolkit contains two major programs--FindVirus and ViVerify. The core program, FindVirus, scans for known viruses, including stealth, polymorphic, and mutation engine viruses. These viruses are able to avoid the detection methods of many other common virus scanner programs. The OS/2 FindVirus scans up to 120 mb in one minute. ViVerify is a cryptographic check summer which tracks file changes that may indicate the presence of a known or unknown virus. Any changes in program files, boot or partition sectors, or hidden system files will be reported to you. Although there are currently no known OS/2-specific viruses, DOS viruses can still infect your OS/2 system. When and if OS/2 viruses appear, the Toolkit's quarterly or monthly upgrade programs will ensure your data's protection and security. Dr. Solomon's Anti-Virus Toolkit, winner of PC Magazine Editor's Choice Award and BYTE Magazine's Award of Merit, also provides site-licensing options for high-risk corporate sites. If you wish to extend your virus protection beyond simply your OS/2 system, DOS and Windows versions of the Toolkit are available as well (a DOS version will be automatically shipped with your OS/2 Toolkit). All versions are available directly through Ontrack Computer Systems.

IBM AntiVirus/2

IBM Corporation

1 East Kirkwood Boulevard
Roanoke, TX 76299

IBM AntiVirus/2

Retail Price: \$29.95

Contact:

Phone: (800) 551-3579, (800) 742-2493

Fax: (817) 961-5256

Int'l Contact: Mike Rogers

Int'l Phone: (817) 961-5021

Int'l Fax:

Available: 11/92

IBM AntiVirus/2 is a full-function, install-and-forget automatic protection against computer virus attacks on OS/2, DOS, and WIN-OS/2 sessions. IBM AntiVirus/2 is simple to use and operate in automatic mode or through its Presentation Manager graphical user interface while protecting you against 2,000-plus viruses.

IBM AntiVirus version 1.03 features include:

- “ Automatic installation routine.
- “ Graphical User Interface (GUI) on DOS, Windows, and OS/2.
- “ Automatic scanning of memory and hard disks.
- “ Automatic scanning of diskettes for boot viruses when accessed or upon Ctrl+Alt+Del/shutdown.
- “ Industry-leading technology in virus detection and removal.
 - Detects over 2,000 viruses.
 - Automated operation
 - Change detection
 - Fuzzy checking
 - Heuristic analysis
 - Verification before disinfection
 - Thorough examination
 - Advanced false alarm elimination

-- Advanced resident detection of uncommon and even unknown viruses.

OS/2 CLEAN

McAfee Associates, Inc.

2710 Walsh Avenue
Santa Clara, CA 95051

OS/2 CLEAN

Retail Price: Call

Contact: Customer Support

Phone: (408) 988-3832

Fax: (408) 970-9727

Int'l Contact: Jim Lynch

Int'l Phone: (408) 980-3611

Int'l Fax:

Available: Oct. 1992

OS/2 CLEAN is the most comprehensive virus removal program available. The OS/2 CLEAN utility is designed to be used with McAfee Associates' OS/2 VIRUSCAN utilities.

Used in conjunction with McAfee Associates' OS/2 VIRUSCAN utilities, OS/2 CLEAN completes the suite of the most comprehensive tools for virus prevention, infection, and eradication. OS/2 CLEAN disinfects all common viruses by removing viral code from infected programs or system areas, and rewriting the cleaned program or system. Carefully crafted disinfection mechanisms maximize recovery of your files and data. Note: Files that have been erased or overwritten are non-recoverable. As a self-protection feature, OS/2 CLEAN performs an integrity check upon itself when run. If OS/2 CLEAN had been modified, a warning is displayed, and the user is prompted to either continue or quit. Unsurpassed technical support is available from McAfee Associates' technical support team. Support includes continuous free updates, available worldwide during the term of the license. Many users treat the upgrades as an ideal opportunity to conduct periodic system checkups.

OS/2 NETSCAN

McAfee Associates, Inc.

2710 Walsh Avenue
Santa Clara, CA 95051

OS/2 NETSCAN

Retail Price: Call

Contact: Customer Support

Phone: (408) 988-3832

Fax: (408) 970-9727

Int'l Contact: Jim Lynch

Int'l Phone: (408) 980-3611

Int'l Fax:

Available:

OS/2 NETSCAN is a complete virus scanner which checks network drives for virus infections. The scan includes files on the user-specified devices and employs a variety of scanning techniques.

OS/2 NETSCAN is an additional tool in the arsenal of anti-virus security programs. Early detection of a viral infection is a key factor in limiting damage and minimizing downtime throughout the workplace. Early detection facilitates recover from a virus infection. OS/2 NETSCAN applies advanced detection technology for locating and identifying viruses. Its sophisticated search algorithms detect even the most challenging mutating and encrypting (polymorphic) viruses. The program identifies all known viruses, including "stealth" viruses, and indicates which files have been infected. For self-protection, OS/2 NETSCAN performs an integrity check upon itself when run. If OS/2 NETSCAN has been modified, a warning is displayed and the user is prompted to either continue or quit. Unsurpassed technical support is available from McAfee Associates' technical support team. Support includes continuous free updates, available worldwide during the term of the license. Many users treat the upgrades as an ideal opportunity to conduct a periodic system checkup.

OS/2 SCAN

McAfee Associates, Inc.

2710 Walsh Avenue
Santa Clara, CA 95051

OS/2 SCAN

Retail Price: Call

Contact: Customer Support

Phone: (408) 988-3832

Fax: (408) 970-9727

Int'l Contact: Jim Lynch

Int'l Phone: (408) 980-3611

Int'l Fax:

Available: Oct. 1992

OS/2 SCAN is a complete virus scanner which checks for pre-existing virus infections. The scan includes all essential areas of a system, employing a variety of scanning techniques.

OS/2 SCAN is an essential part of a complete virus security program. Early detection of a viral infection is a key factor in limiting damage and minimizing downtime throughout the workplace. Early detection facilitates recovery from a virus infection. OS/2 SCAN applies advanced detection technology for locating and identifying viruses. Its sophisticated search algorithms detect even the most challenging mutating and encrypting (polymorphic) viruses. The program identifies all known viruses, including "stealth" viruses, and indicates which parts of the system have been infected, such as files, boot sectors, master boot records, or memory network drives. For self-protection, OS/2 SCAN performs an integrity check upon itself when run. If OS/2 SCAN has been modified, a warning is displayed, and the user is prompted to either continue or quit. Unsurpassed technical support is available from McAfee Associates' technical support team. Support includes continuous free updates, available world-wide during the term of the license. Many users treat the upgrades as an ideal opportunity to conduct a periodic system checkup.

Product Nomination for Future Editions

Don't miss this opportunity to have your application or development tool listed in the next editions of the OS/2 & LAN Systems Development Tools Guide and the OS/2 & LAN Systems Applications Directory. Currently, there is no charge for these valuable listings. All you have to do is complete this form and return it to IBM no later than August 15, 1994. These books will be produced in both softcopy (OS/2 .INF files) and hardcopy versions and distributed worldwide.

Applications and development tools will be listed in the Applications Directory. Only development tools will be listed in the Development Tools Guide. We can only list applications that are currently available. Submitting the following information does not guarantee that IBM will include your product in the next editions of the above books, nor does IBM guarantee that it will in fact produce more editions of the above books.

Name of person preparing this form _____
Title _____
Phone (in case we need to reach you for more information; non-US, give country code): _____

Fax _____
Electronic Userid _____
Company Name _____
Address _____

City _____ State/Province _____
Country _____ Zip/Postal Code _____

Product Name & Version Number _____
Is the Product a Development Tool? Yes _____ No _____
Price and Currency _____ Availability Date _____ (Now or mm/dd/yy)
Sales/Order Contact Name _____ Title _____
Electronic Mail Address for Orders _____

Phone Numbers (*to order product in the US*):

IMPORTANT! If you provide an 800 number, specify whether it can be called only within the USA, only within Canada, or in both countries. Also, BE SURE TO PROVIDE A NON-800 NUMBER so that customers in other countries can call you.

Voice Phone: _____
Area Code Phone Number

Fax phone: _____
Area Code Phone Number

Do you sell your product outside the United States? Yes _____ No _____
If yes, in which countries or regions? _____
International Sales/Order Contact Name: _____

Phone Numbers (*to order product in countries other than the US*):

Country: _____

Voice phone: + _____
Country City or Phone Number
Code Area Code

Fax phone: + _____
Country City or Phone Number
Code Area Code

Does your company have other phone numbers in addition to the ones above? If so, attach a separate sheet with additional phone numbers and explanations.

Key Software Features:

Check all that apply. This information is required.

Advanced OS/2 2.x Features:

_____ Flat Memory	_____ 32-Bit SOM	_____ VDDs
_____ Workplace Shell	_____ SOM/DSOM	_____ SMP
_____ DCE	_____ Mixed Mode	_____ OpenDoc
_____ Generates 32-bit code	_____ 32-bit APIs	_____ Other (specify): _____
_____ Fast Semaphores		

Product Category:

Below is the list of product categories in the books. Choose a primary category by marking it with P, and up to three additional secondary categories by marking them with S.

Applications:

ACCOUNTING/PERSONAL FINANCE

_____ Accounting
_____ Personal Finance
_____ Tax
_____ Other Finance

DATABASE

_____ File Management
_____ Management Dictionaries
_____ Query Languages

BUSINESS SPECIFIC

_____ Banking & Financial Services
_____ Industrial, Manufacturing
_____ Insurance
_____ Government & Public Management
_____ Public Utilities & Transportation
_____ Construction
_____ Health

DESKTOP PUBLISHING

_____ Desktop Publishing
_____ Document Management

_____ ELECTRONIC MAIL

_____ GAMES AND ENTERTAINMENT

_____ Scientific, Engineering, & Technical GRAPHICS

_____ Organizations/Fund Raising
_____ Education, Research/Library Mgmt
_____ Draw
_____ Charting

☐ Human Resources Management
☐ Sales & Marketing
☐ Distribution/Wholesale/Retail
☐ Agriculture
☐ Automotive
☐ Contract Managers
☐ Facilities Management
☐ Food & Beverage
☐ Legal Services
☐ Mass Media/Communications
☐ Natural Resources and Related
☐ Purchasing
☐ Real Estate
☐ Textiles & Clothing
☐ Travel & Leisure
☐ Services Industry
☐ Personal Education/Creativity

☐ CAD/CADAM

☐ DEVICE DRIVER

COMMUNICATIONS

☐ Bulletin Board Software
☐ Communications Control Systems
☐ Computer-to-Computer Links
☐ Fax/Telex
☐ PC Communications Utilities
☐ Terminal Emulation Software
☐ Videotex Software
☐ Teleconferencing Software
☐ Telephone Management Software
☐ EDI-Electronic Data Interchange

Development Tools:

☐ Application Generators
☐ Application Integration
☐ Artificial Intelligence
☐ CASE Development Tools
☐ Class Libraries
☐ Client/Server
☐ Command Processors / Shells
☐ Compiler Construction
☐ DBMS/RDBMS
☐ Editors / Browsers
☐ EXE Generation Tools
☐ Fourth-Generation Languages
☐ General Libraries

☐ Other (specify): _____

INFORMATION MANAGEMENT

☐ Image & Document Management
☐ Decision Support
☐ Project Management
☐ Report Management

INTEGRATED WORKGROUP

☐ Integrated
☐ Office Automation
☐ Personal Information Managers

NETWORK

☐ Network Management
☐ Network Operating Systems
☐ Network Services

SPREADSHEETS

WORD PROCESSING

Utilities:

_____ Backup	_____ Multipurpose
_____ Data Compression	_____ Performance Monitor
_____ Disaster Recovery	_____ Security
_____ Image Support/	_____ Screen Savers
_____ Screen Capture	_____ Virus Protection
_____ Other (specify): _____	

Product Description:

Describe the features and functions of your software package:

(1) In 25 words or less: _____

(2) Overview text of 150 words or less: _____

Signature of Authorized Person

IBM MUST HAVE AN AUTHORIZED SIGNATURE IN ORDER TO INCLUDE THIS INFORMATION IN THE BOOK(S) ABOVE.

I represent that the above information is correct and not confidential, and that there is no restriction on IBM's use of this information. I understand that IBM assumes no responsibility for product claims or the accuracy of the data provided.

Company Name _____

Authorized Person (print): _____

Authorized Person (signature): _____

Title: _____

Date: _____

To return this form, mail or fax as follows:

Developer Assistance Program
Internal Zip 2230
IBM Corporation
1000 NW 51st St.
Boca Raton, FL 33431
USA

ATTN: Publications
FAX: (407) 443-3241

Hardcopy Available

A hardcopy (printed) version of this Guide is available.

Customers in the USA may order the guide by calling either 1(800)444-4881 (Miller Freeman, Inc.) or 1(800)879-2755 (IBM Software Manufacturing Solutions). When calling the IBM number, specify publication G362-0025-00. There is a US \$9.95 charge (plus shipping, handling, and applicable sales taxes) for the printed version.

IBM employees in the USA may order publication G362-0025-00 through PUBORDER.

Customers and IBM employees outside the USA may order publication G362-0025-00 from the IBM Software and Publications Center in Copenhagen, Denmark.

Additional copies may be obtainable from some of the Developer Assistance Programs in other countries and geographic areas. Please contact them for additional information.

NOTE: The OS/2 .INF softcopy version of this Guide is not available through this method. It will be distributed free of charge on various e-mail and BBS systems.

IBM Software Developer Support is currently soliciting applications and development tools to list in the next edition of the guides. Please submit the nomination form included in this file.

Reader Survey

OS/2 & LAN Systems Development Tools Guide Survey

Contact Name: _____

Company: _____

Address: _____

City: _____ State _____ Zip _____ Country _____

Phone: _____ Fax: _____

Product Name: _____

1. Is this book useful to you? Yes___ No___

2. Is the information accurate? Yes___ No___

3. Do the products appeal to you? Yes___ No___

4. Would you prefer this book in hard or soft copy? Hard___ Soft___

5. How often would you like to see this updated?
Every 3 months___ 6 months___ 12 months___ Other(specify)_____

6. How did you obtain this book? _____

7. If you downloaded it, from which BBS or forum? _____

8. How many people in your organization use this book? _____

9. Are you an IBM employee? _____ End User?_____
Developer? _____ Commercial Developer_____ Corporate?_____
Buyer?_____ Other(Specify)_____

10. How many developers are in your organization?_____

11. Please describe briefly any successes that you have had as a
result of using this or earlier book.

12. Do you have any suggestions for improvement?

I want to join IBM's Developer Assistance Program! _____

I want information about OS/2 and LAN Systems Certification Programs! _____

To be listed in the next OS/2 & LAN Systems Development Tools Guide or Applications Directory, fill out the Product Nomination section and fax or mail to the address below.

RETURN TO: IBM Developer Assistance Program
Internal Zip 2230
IBM Corporation
1000 NW 51st Street
Boca Raton, FL (USA) 33429-9960
Attn: Publications

Phone: 1-407-982-6408
Fax: 1-407-443-3241

Copyright/Disclaimer

Copyright (C) 1994 IBM Corporation. All rights reserved.

IBM CORPORATION AND AUTOMATED GRAPHIC SYSTEMS HEREBY DISCLAIM ALL WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL IBM CORPORATION OR AUTOMATED GRAPHICS SYSTEMS BE LIABLE TO YOU FOR ANY DAMAGES, INCLUDING ANY LOST PROFITS, LOST SAVINGS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE ARISING OUT OF THE USE OR INABILITY TO USE ANY INFORMATION PROVIDED THROUGH THIS PUBLICATION EVEN IF IBM CORPORATION AND/OR AUTOMATED GRAPHICS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY.

This publication is based on the most recent information provided by the companies listed as the sources for the products at the time of printing this guide. Each company has certified that it is marketing or intends to market the listed product(s) that utilize OS/2. IBM Corporation and Automated Graphic Systems have not evaluated the listed products of other companies, do not recommend or endorse them, and cannot verify their function, prerequisites, price, availability and suitability for the users' purposes.

This information is not intended to be an assertion of future actions. IBM expressly reserves the right to change or withdraw current products that may or may not have the same characteristics or codes listed in this publication. Should IBM modify its products in a way that may affect the information contained in this publication, IBM assumes no obligation whatever to inform any user of the modification. It is possible that this material may contain reference to, or information about, IBM products (machines and programs), programming or services that are not announced in your country. IBM may use or distribute any of the information supplied in any way it believes appropriate without incurring any obligation whatsoever.

This publication may include inaccuracies or typographical errors. IBM Corporation and Automated Graphic Systems may change the contents without notice.

The following are trademarks of the International Business Machines Corporation: Operating System/2 (R), OS/2 (R) Multimedia Presentation Manager Toolkit/2, IBM PL/I Workstation/2, Workstation Interactive Test Tool, WITT, IBM C Developer's WorkSet/2, IBM C Set/2, IBM WorkFrame/2, IBM Developer's Toolkit for OS/2 2.0. This is only a partial list of trademarks owned by IBM.

Any question concerning the use of these trademarks or whether a name that does not appear on this list is in fact a trademark of IBM should be referred to the IBM Intellectual Property Law Department at Purchase, New York, 914/697-7832.

All other brands are trademarks or registered trademarks of their respective holders.